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SALES & MARKETING MANAGEMENT

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Address all manuscripts and correspondence relating to editorial matters to The Editor, Sales & Marketing Management, 633 Third Ave., New York, NY 10017.

Because S&MM is almost totally staff written, only a very small number of contributed articles can be accepted for publication. For that reason, contributors are urged to submit an initial query along with an outline.

All unsolicited manuscripts must be accompanied by a return envelope with sufficient first-class postage. We regret that those arriving without such postage cannot be returned.

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THE 1981 SURVEY OF INDUSTRIAL PURCHASING POWER

How prospecting for profitable sales pays

THAYER C. TAYLOR
Editorial Director
Survey of Industrial Purchasing Power

Paraphrasing the popular maxim, "Nothing happens until somebody sells something," one might point out that nothing really happens without a sales lead. Before a sale can be made, prospects must be found and converted to customers via a carefully planned sales strategy.

This is especially true in industrial marketing, where information on the **who, where,** and **what** of sales targets is much skimpier than in consumer marketing. Fortunately, industrial marketers have an annual update on the three Ws, namely, *Sales & Marketing Management's Survey of Industrial Purchasing Power.*

The *Survey* gives marketers the most up-to-date published source of statistical information on 4-digit Standard Industrial Classification (SIC) industries and their geographical distribution at the county level (see page 26 for SIC description). With this powerful decision aid, the industrial marketer can be confident:

◆ **Market planning** is attuned to the most recent changes in the marketing environment.

◆ **Territorial coverage** reaches all viable prospects.

◆ **The sales force is deployed** according to where return-on-investment is promising, and quotas are set realistically.

◆ **Customer industries** are properly targeted.

◆ **A fair share of the sales potential** is being realized.

In tapping the *Survey*'s rich lode of information, the marketer must keep two factors in mind: (1) data apply only to manufacturing establishments with 20 or more employees; (2) information is organized on a 4-digit SIC industry basis.

While plants with 20 or more employees represent less than one-third of all manufacturing establishments, they produce 95% of industry output. Considering the cost of a sales call, it makes little sense to provide data on the "missing" two-thirds of plants, which represent only 5% of total sales potential.

The beauty of the SIC system is its inherent flexibility, en-

SURVEY HIGHLIGHT

Top 10 states in manufacturing shipments

1980 Rank	State	1980 Shipments ($ Mil.)	% Of U.S.	No. Of Plants	% Of U.S.	Average Shipments Per Plant ($000)	Shipments Index
1.	California	$ 131,187	7.5925%	11,773	8.4695%	$11,143	90
2.	Illinois	121,437	7.0283	10,011	7.2019	12,130	98
3.	Ohio	118,044	6.8319	8,815	6.3415	13,391	108
4.	Texas	114,976	6.6543	6,729	4.8408	17,087	137
5.	Pennsylvania	110,747	6.4096	8,037	5.7818	13,780	111
6.	Michigan	104,540	6.0504	7,411	5.3315	14,106	113
7.	New York	101,051	5.8484	11,310	8.1364	8,935	72
8.	New Jersey	71,565	4.1419	7,004	5.0387	10,218	82
9.	Indiana	62,765	3.6325	3,574	2.5711	17,561	141
10.	North Carolina	54,404	3.1488	4,583	3.2970	11,871	96
	10-state total	**$ 990,716**	**57.3384%**	**79,247**	**57.0102%**	**$12,502**	**101**
	U.S. total	**$1,727,839**	**100.0000%**	**139,005**	**100.0000%**	**$12,430**	**100**

Note: % of U.S. shipments and 10-state total shipments calculated from unrounded data found in regional summary table on page 7.
Shipments: Output of all plants with 20 or more employees. **No. Of Plants:** Establishments with 20 or more employees. **Average Shipments Per Plant:** Mathematical average computed by dividing total plants into total shipments. **Shipments Index:** State's average shipments per plant as a ratio of the all-U.S. average, $12,430, which represents 100.
Source: *Sales & Marketing Management's 1981 Survey of Industrial Purchasing Power.*
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abling the user to adjust the coding to fit the size of his sales force. Under ideal conditions, a marketer will have each salesperson specialize in a particular 4-digit industry so that sales proposals can be made "in the language of the customer."

A marketer who must operate with a smaller sales force can still benefit from the SIC approach by using the first three digits of the code. For example, a marketer who sells to the electronic and electrical equipment industry may not have enough salespeople to specialize in each of the 39 industry sectors (see page 30 for listing of SIC industries.) Consequently, he can use the first three digits for his sales targets and have a salesperson focus on SIC 364, say, for different kinds of lighting equipment.

A marketer with a smaller sales force can go one step further and organize his salespeople around the first two digits, such as SIC 20 for the food industry. Thus, the *Survey*'s industry data serve the marketer regardless of sales force size.

In analyzing the *Survey*'s annual update, the marketer wants to be confident his sales strategy is attuned to the latest changes in customer markets. While government censuses serve as effective benchmarks, the lateness with which results are published vitiates much of their usefulness. Even the gov-

SURVEY HIGHLIGHT

Regional and state summaries of manufacturing markets

Region & State	Total Plants	Large Plants	1980 Shipments ($ Mil.)	% Of U.S.	Average Shipments Per Plant ($000)	Plant Index U.S. = 100	% Shipments in Large Plants
NEW ENGLAND	**11,405**	**3,451**	**$104,074.3**	**6.0234%**	**$ 9,125**	**73**	**78%**
Connecticut	3,055	880	31,658.1	1.8322	10,363	83	82
Maine	880	314	8,299.1	.4803	9,431	76	79
Massachusetts	5,003	1,542	45,792.1	2.6503	9,153	74	78
New Hampshire	824	293	6,906.5	.3997	8,382	67	79
Rhode Island	1,228	305	8,572.5	.4961	6,981	56	69
Vermont	415	117	2,846.0	.1647	6,858	55	68
MIDEAST	**28,513**	**8,228**	**$313,575.8**	**18.1484%**	**$10,998**	**88**	**81%**
Delaware	260	91	5,291.9	.3063	20,353	164	89
Dist. of Columbia	164	34	1,879.0	.1087	11,457	92	80
Maryland	1,738	597	23,041.6	1.3336	13,258	107	84
New Jersey	7,004	1,817	71,565.1	4.1419	10,218	82	78
New York	11,310	2,883	101,051.0	5.8484	8,935	72	77
Pennsylvania	8,037	2,806	110,747.2	6.4096	13,780	111	85
GREAT LAKES	**33,271**	**9,880**	**$452,251.8**	**26.1744%**	**$13,593**	**109**	**84%**
Illinois	10,011	2,974	121,437.3	7.0283	12,130	98	82
Indiana	3,574	1,380	62,764.5	3.6325	17,561	141	86
Michigan	7,411	1,715	104,540.3	6.0504	14,106	113	86
Ohio	8,815	2,727	118,044.4	6.8319	13,391	108	85
Wisconsin	3,460	1,084	45,465.3	2.6313	13,140	106	83
PLAINS	**10,547**	**2,938**	**$131,168.1**	**7.5915%**	**$12,437**	**100**	**78%**
Iowa	1,735	439	23,801.7	1.3775	13,719	110	74
Kansas	1,718	372	22,384.8	1.2955	13,030	105	78
Minnesota	2,714	840	32,735.4	1.8946	12,062	97	80
Missouri	3,215	967	37,759.5	2.1854	11,745	94	81
Nebraska	722	223	10,282.2	.5951	14,241	115	74
North Dakota	145	27	1,364.8	.0790	9,412	76	52
South Dakota	298	70	2,839.7	.1643	9,529	77	64
SOUTHEAST	**27,645**	**10,196**	**$360,021.7**	**20.8365%**	**$13,023**	**105**	**83%**
Alabama	2,164	854	28,336.4	1.6400	13,094	105	81
Arkansas	1,600	560	18,356.5	1.0624	11,473	92	77
Florida	3,738	893	30,858.6	1.7860	8,255	66	72
Georgia	3,396	1,208	38,670.3	2.2381	11,387	92	80
Kentucky	1,650	598	28,590.5	1.6547	17,328	139	86
Louisiana	1,381	482	36,344.1	2.1034	26,317	212	88
Mississippi	1,565	578	17,186.8	.9947	10,982	88	78
North Carolina	4,583	1,924	54,403.5	3.1486	11,871	96	84
South Carolina	1,924	906	26,817.0	1.5521	13,938	112	86
Tennessee	2,952	1,213	37,593.3	2.1757	12,735	102	86
Virginia	1,925	726	28,678.6	1.6598	14,898	120	86
West Virginia	767	254	14,186.1	.8210	18,496	149	88
SOUTHWEST	**9,355**	**2,792**	**$155,381.8**	**8.9928%**	**$16,609**	**134**	**83%**
Arizona	825	192	12,126.0	.7018	14,698	118	84
New Mexico	327	76	4,187.2	.2423	12,805	103	69
Oklahoma	1,474	389	24,092.8	1.3944	16,345	131	84
Texas	6,729	2,135	114,975.8	6.6543	17,087	137	84
ROCKY MOUNTAIN	**2,754**	**702**	**$ 34,596.5**	**2.0023%**	**$12,562**	**101**	**78%**
Colorado	1,293	311	14,372.5	.8318	11,116	89	76
Idaho	362	117	4,180.4	.2419	11,548	93	73
Montana	257	49	3,857.3	.2232	15,009	121	77
Utah	679	196	9,038.4	.5231	13,311	107	79
Wyoming	163	29	3,147.9	.1822	19,312	155	68
FAR WEST	**15,515**	**4,303**	**$176,768.7**	**10.2306%**	**$11,393**	**92**	**79%**
California	11,773	3,313	131,186.7	7.5925	11,143	90	80
Nevada	108	26	1,043.7	.0604	9,664	78	69
Oregon	1,863	509	18,005.6	1.0421	9,665	78	71
Washington	1,771	455	26,532.7	1.5356	14,982	121	82
U.S.	**139,006**	**42,490**	**$1,727,838.7**	**100.0000%**	**$12,430**	**100**	**82%**

Total Plants: Establishments with 20 or more employees. **Large Plants:** Establishments with 100 or more employees. **Shipments:** Output of all establishments. **% Of U.S.:** Share of U.S. total shipments. **Average Shipments Per Plant:** Mathematical average computed by dividing total plants into total shipments. **Plant Index:** State's average shipments per plant as a ratio of all-U.S. average, $12,430, which represents par, or 100; number above or below 100 indicates degree by which state is above or below the U.S. norm. **% Shipments In Large Plants:** Share of shipments accounted for by plants with 100 or more employees.

Note: Details may not add up to total due to rounding.

Source: *Sales & Marketing Management's 1981 Survey of Industrial Purchasing Power.*

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SURVEY HIGHLIGHT

Top 50 counties in manufacturing activity

1980 Rank	County	State	1980 Total Shipments ($ Mil.)	1980 Total Plants	Average Shipments Per Plant ($000)	Leading SIC Industry	Shipments of Leading SIC ($ Mil.)	Shipments As Share Of:	
								U.S. SIC Total	All-Mfg. County Total
1.	Los Angeles	CA	$ 61,598	5,842	$ 10,544	2911	$ 9,555	6.1%	15.5%
2.	Cook	IL	60,678	6,160	9,850	2911	3,481	2.2	5.7
3.	Wayne	MI	31,242	1,745	17,903	3711	8,865	13.2	28.4
4.	Harris	TX	25,015	1,344	18,612	2911	9,171	5.9	36.7
5.	Cuyahoga	OH	17,714	1,906	9,294	3714	1,819	5.8	10.3
6.	Jefferson	TX	17,246	102	169,082	2911	15,396	9.8	89.3
7.	Hamilton	OH	14,803	906	16,339	2841	1,649	20.7	11.1
8.	Santa Clara	CA	14,047	693	20,270	3573	2,796	11.6	19.9
9.	New York	NY	13,551	2,896	4,679	2721	2,270	30.1	16.8
10.	Middlesex	MA	13,164	1,284	10,252	3573	1,613	6.7	12.3
11.	Philadelphia	PA	12,993	1,297	10,018	2911	2,031	1.3	15.6
12.	Oakland	MI	12,403	1,082	11,463	3711	7,150	10.6	57.6
13.	Milwaukee	WI	11,972	862	13,888	2082	1,295	15.0	10.8
14.	Jefferson	KY	11,862	418	28,377	2111	2,288	22.7	19.3
15.	St. Louis Ind. City	MO	11,702	934	12,528	3721	2,291	10.0	19.6
16.	Union	NJ	11,331	737	15,374	2911	3,824	2.4	33.8
17.	Allegheny	PA	11,169	710	15,732	3312	4,072	8.1	36.5
18.	Dallas	TX	10,492	1,142	9,187	3585	561	3.2	5.3
19.	Hennepin	MN	10,049	995	10,100	3573	690	2.9	6.9
20.	Fairfield	CT	9,874	890	11,094	3721	1,495	6.5	15.1
21.	Middlesex	NJ	9,793	648	15,113	2844	1,003	10.9	10.2
22.	Marion	IN	9,767	570	17,136	2834	781	4.7	8.0
23.	Orange	CA	9,628	1,032	9,329	3662	1,376	5.9	14.3
24.	Erie	NY	9,599	578	16,608	3312	1,695	3.4	17.7
25.	Monroe	NY	9,474	410	23,108	3861	5,374	35.2	56.7
26.	King	WA	9,270	719	12,893	3721	1,714	7.5	18.5
27.	Hartford	CT	9,213	804	11,459	3724	2,800	25.9	30.4
28.	Genesee	MI	9,032	116	77,858	3711	6,831	10.2	75.6
29.	Bergen	NJ	8,976	1,122	8,000	2844	450	4.9	5.0
30.	Jackson	MO	8,716	501	17,397	2911	1,640	1.0	18.8
30.	Nassau	NY	8,716	1,068	8,161	3721	2,363	10.3	27.1
32.	East Baton Rouge	LA	8,408	95	88,502	2911	6,605	4.2	78.6
33.	Delaware	PA	7,919	228	34,733	2911	4,435	2.8	56.0
34.	Baltimore Ind. City	MD	7,814	522	14,970	3312	2,536	5.0	32.5
35.	Maricopa	AZ	7,773	600	12,956	3674	1,055	14.0	13.6
36.	Lake	IN	7,660	188	40,745	2911	2,682	1.7	35.0
37.	Ramsey	MN	7,598	393	19,334	3573	1,492	6.2	19.6
38.	Lucas	OH	7,585	415	18,276	2911	2,612	1.7	34.4
39.	Hudson	NJ	7,554	753	10,032	3661	970	7.6	12.8
40.	Madison	IL	7,471	95	78,640	2911	4,425	2.8	59.2
41.	Tarrant	TX	7,370	598	12,324	3721	1,614	7.1	21.9
42.	Macomb	MI	7,113	723	9,838	3714	1,388	4.4	19.5
43.	Kings	NY	7,030	1,357	5,181	2834	389	2.3	5.5
44.	New Haven	CT	6,989	818	8,544	2869	387	1.3	5.5
45.	Essex	NJ	6,983	937	7,452	2833	1,071	36.2	15.3
46.	Alameda	CA	6,911	675	10,238	3711	1,322	2.0	19.1
47.	Montgomery	OH	6,855	501	13,682	3714	1,854	5.9	27.0
48.	Trumbull	OH	6,744	157	42,953	3711	1,929	2.9	28.6
49.	Montgomery	PA	6,742	642	10,502	2834	608	3.7	9.0
50.	Providence	RI	6,325	986	6,415	3911	537	22.0	8.5
	50-county total		**$623,932**	**50,196**	**$ 12,430**	**N.A.**	**$146,248**	**N.A.**	**23.4%**

N.A.—Not applicable.

Total Shipments: Output of all manufacturing establishments. **Total Plants:** Number of establishments with 20 or more employees. **Average Shipments Per Plant:** A mathematical average computed by dividing number of plants into total shipments. **Leading SIC:** The 4-digit manufacturing industry with the largest volume of shipments among those listed within the county. The next three columns refer to the leading SIC industry: its shipments by plants within the county, and those shipments as a share of the industry's U.S. total and as a share of the county's all-manufacturing total. For SIC definitions, see the table starting on page 30.

Note: Details may not add to totals due to rounding.

Source: *Sales & Marketing Management's 1981 Survey of Industrial Purchasing Power.*

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ernment's annual surveys appear at least two years after the fact.

As a result, industrial marketers rely increasingly on proprietary data bases that produce up-to-date information on the real world. Such a data base is that of Economic Information System (EIS), New York City, the source of the *Survey*'s data. EIS refines its plant listings every day as new information is gathered from various sources.

Marketers who rely on plant counts for the universe of customers and prospects to be called on will note that this year's *Survey* shows a slight (1%) dip in total manufacturing establishments—from 140,326 to 139,005. This was mostly due to a falloff in large plants, with 100 or more employees, which should be considered key accounts. They slipped 3%, from 43,835 to 42,490. This means that marketers must plan more carefully in selling to key plants because, with fewer of them around, it will be harder to make up for the lost business when one of them switches to the competition.

Deployment of the sales force is affected by year-to-year changes in the marketing environment. Manufacturing plants, like population, have a mobility dynamics of their own. Last year, the number of total plants rose 6% in New England and 3% in the Plains and Far West (see Regional and state summaries on page 7). In sharp contrast, the Rocky Mountain region experienced a 7% decline in plant count, the Southeast a 5% drop. Among the important key plants, every region but two suffered a decline. The exceptions were the Southwest and Plains states, where there was little change for plants with 100 or more employees.

Marketers who aim their selling strategies at specific industries will learn that total plants increased for seven 2-digit industries, but declined for 11 industries. The most sig-

SURVEY HIGHLIGHT

50 leading industrial metropolitan markets

1980 Rank	Metro Market	1980 Shipments ($ Mil.)	% Of U.S.	Total Plants	Average Shipments Per Plant ($000)
1.	Chicago	$ 77,830	4.50%	7,684	$ 10,129
2.	Los Angeles-Long Beach	61,598	3.57	5,842	10,544
3.	Detroit	52,365	3.03	3,767	13,901
4.	New York	44,019	2.55	7,197	6,116
5.	Philadelphia	42,371	2.45	3,421	12,386
6.	Houston	30,440	1.76	1,478	20,596
7.	Boston	29,891	1.73	3,244	9,214
8.	St. Louis	26,328	1.52	1,647	15,985
9.	Newark, NJ	24,189	1.40	2,132	11,345
10.	Cleveland	20,780	1.20	2,290	9,074
11.	Minneapolis-St. Paul	20,391	1.18	1,656	12,313
12.	San Francisco-Oakland	19,839	1.15	1,884	10,530
13.	Dallas-Fort Worth	19,506	1.13	1,974	9,881
14.	Pittsburgh	18,947	1.10	1,090	17,383
15.	Beaumont-Port Arthur-Orange	18,800	1.09	143	131,466
16.	Cincinnati	16,870	0.98	1,113	15,157
17.	Milwaukee	15,680	0.91	1,322	11,861
18.	Baltimore	14,983	0.87	990	15,134
19.	Kansas City	14,759	0.85	934	15,802
20.	San Jose	14,047	0.81	693	20,270
21.	Nassau-Suffolk	13,437	0.78	1,763	7,622
22.	Buffalo	13,313	0.77	715	18,620
23.	Louisville	13,046	0.76	512	25,481
24.	Atlanta	12,662	0.73	1,104	11,469
25.	Greensboro-Winston-Salem-High Point, NC	11,674	0.68	799	14,611
26.	Seattle-Everett	11,305	0.65	841	13,442
27.	Indianapolis	11,125	0.64	703	15,825
28.	Rochester, NY	10,922	0.63	552	19,787
29.	Hartford-New Britain-Bristol, CT	10,378	0.60	983	10,558
30.	Gary-Hammond-East Chicago, IN	10,081	0.58	223	45,207
31.	Toledo	9,905	0.57	604	16,399
32.	Bridgeport-Stamford-Norwalk-Danbury, CT	9,874	0.57	890	11,094
33.	Baton Rouge, LA	9,831	0.57	148	66,426
34.	New Brunswick-Perth Amboy-Sayreville, NJ	9,793	0.57	648	15,113
35.	Anaheim-Santa Ana-Garden Grove	9,628	0.56	1,032	9,329
36.	Flint	9,440	0.55	167	56,526
37.	Denver-Boulder	9,432	0.55	893	10,562
38.	Youngstown-Warren, OH	8,883	0.51	359	24,743
39.	Allentown-Bethlehem-Easton, PA	8,501	0.49	576	14,759
40.	Portland, OR	8,367	0.48	890	9,402
41.	Dayton, OH	8,334	0.48	652	12,783
42.	Providence-Warwick-Pawtucket, RI	8,249	0.48	1,208	6,828
43.	Phoenix	7,773	0.45	600	12,956
44.	Jersey City, NJ	7,554	0.44	753	10,032
45.	Columbus, OH	7,507	0.43	637	11,786
46.	Wichita, KS	7,118	0.41	352	20,222
47.	New Haven-West Haven-Waterbury-Meriden, CT	6,989	0.40	818	8,544
48.	Memphis	6,818	0.39	570	11,961
49.	Greenville-Spartanburg, SC	6,705	0.39	503	13,330
50.	Tulsa	6,524	0.38	519	12,571

Metro Market: Component counties can be found in the *1980 Survey of Buying Power* and *Survey of Buying Power—Part II.* A list of S&MM's 300 metropolitan markets, as they appeared in the 1980 *Surveys*, is on page 35. The federal government is currently redefining metropolitan markets and hopes to make a new listing available on June 1, too late for this issue. **Shipments:** Output of all manufacturing establishments with 20 or more employees in the metropolitan market. **% Of U.S.:** Market's share of total U.S. shipments. **Total Plants:** Number of establishments with 20 or more employees. **Average Shipments Per Plant:** Mathematical average computed by dividing number of plants into total shipments.

Source: *Sales & Marketing Management's 1981 Survey of Industrial Purchasing Power.*

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nificant gains occurred in SIC 27 printing & publishing, up 5% and SIC 30 rubber & plastics, up 3%. The sharpest falloffs affected SIC 20 food and SIC 21 tobacco, each down 8%, and SIC 22 textile mills and SIC 23 apparel, each down 7%.

Shifts in the number of plants to be called on tell the marketer where changes in selling emphasis should be made. Obviously, if a particular industry represents fewer prospective customers, the potential loss in sales must be made up elsewhere.

Once he has familiarized himself with the broad changes reshaping industrial markets, the marketer seeks to learn how the convolutions affect his strategy at the sales territory level. Here, the *Survey*'s county detail enables him to decide where marketing decisions about applying selling emphasis are needed most.

To get a fix on the effectiveness of his territorial coverage plan, the marketer will list the counties of his sales territories and the number of accounts in

SURVEY HIGHLIGHT

Profile of the 50 biggest manufacturing industries

1980 Rank	SIC	Industry	1980 Shipments ($ Mil.)	Total Plants	Shipments Per Plant ($000)	Index U.S. = 100	% Shipments Large Plants	1981 Forecast Shipments
1.	2911	Petroleum refining	$156,406	334	$468,283	3,767	92%	NA
2.	3711	Motor vehicles & car bodies	67,229	162	414,994	3,338	99	+30%
3.	3312	Blast furnaces & steel mills	50,564	341	148,280	1,192	98	+22[1]
4.	2011	Meat packing plants	38,797	1,112	34,890	280	80	+13
5.	3714	Motor vehicle parts & accessories	31,531	1,244	25,347	203	93	NA
6.	2869	Industrial organic chemicals, NEC	30,158	449	67,168	540	89	+15
7.	3079	Miscellaneous plastics products	25,632	4,547	5,637	45	65	NA
8.	3573	Electronic computing equipment	24,176	531	45,530	366	95	+26
9.	3662	Radio & tv communication equipment	23,510	1,104	21,295	171	90	+14
10.	3721	Aircraft	22,832	99	230,621	1,855	99	− 2
11.	2621	Paper mills, except building paper	18,589	348	53,416	429	97	+ 5[2]
12.	3585	Refrigeration & heating equipment	17,310	534	32,416	260	89	+12
13.	2026	Fluid milk	16,824	981	17,150	137	66	+12
14.	2834	Pharmaceutical preparations	16,582	461	35,970	289	92	+17
15.	3531	Construction machinery	16,248	481	33,779	271	92	+12
16.	2711	Newspapers	16,084	2,435	6,605	53	76	+10
17.	3861	Photographic equipment & supplies	15,275	392	38,967	313	86	NA
18.	2821	Plastics materials & resins	13,714	472	29,055	233	87	+12
19.	2086	Bottled & canned soft drinks	12,956	1,591	8,143	65	58	+14
20.	3661	Telephone & telegraph apparatus	12,713	223	57,010	458	97	+10
21.	2421	Sawmills & planing mills, general	12,464	1,973	6,317	50	57	+16
22.	3465	Automotive stamping	12,302	195	63,088	507	96	NA
23.	2752	Commercial printing, lithographic	11,773	1,811	6,501	52	52	+11[3]
24.	2048	Prepared feeds, NEC	11,287	1,002	11,265	90	36	+10
25.	2051	Bread, cake & related products	11,219	1,421	7,895	63	82	+11
26.	3523	Farm machinery & equipment	11,041	862	12,809	103	80	+11
27.	3599	Machinery, except electrical, NEC	10,997	3,081	3,569	28	36	NA
28.	3724	Aircraft engines & engine parts	10,828	154	70,310	565	96	+15
29.	2013	Sausage & other prepared meats	10,784	688	15,674	126	69	+13
30.	2819	Industrial inorganic chemicals, NEC	10,769	539	19,980	160	84	+16
31.	2631	Paperboard mills	10,486	209	50,172	403	94	+ 5[4]
32.	3011	Tires and inner tubes	10,226	129	79,270	637	98	+18
33.	2111	Cigarettes	10,086	12	840,492	6,761	100	NA
34.	2075	Soybean oil mills	9,783	77	127,052	1,022	54	+14
35.	3357	Nonferrous wire drawing & insulating	9,334	266	35,090	282	91	NA
36.	3273	Ready-mixed concrete	9,330	1,480	6,304	50	34	+16
37.	3519	Internal combustion engines, NEC	9,295	122	76,189	612	96	NA
38.	2844	Toilet preparations	9,226	260	35,483	285	91	+17
39.	2022	Cheese, natural & processed	9,002	310	29,039	233	66	+14
40.	3443	Fabricated plate work, boiler shops	8,842	1,132	7,811	62	75	NA
41.	2082	Malt beverages	8,641	89	97,091	781	98	+12
42.	3411	Metal cans	8,512	373	22,821	183	88	+11
43.	2824	Organic fibers, noncellulosic	8,498	60	141,635	1,139	99	NA
44.	2851	Paints & allied products	8,478	879	9,645	77	61	+10
45.	3353	Aluminum sheet, plate & foil	8,427	62	135,911	1,093	96	+14[5]
46.	2653	Corrugated & solid fiber boxes	8,420	1,075	7,832	63	75	+13
47.	3731	Ship building & repairing	8,179	301	27,172	218	95	+ 6
48.	3321	Gray iron foundries	8,153	783	10,412	83	84	+13[6]
49.	2099	Food preparations, NEC	8,051	755	10,664	85	68	+ 8
50.	2841	Soap & other detergents	7,957	263	30,256	243	80	+14
		50-industry total	**$919,519**	**38,204**	**$24,069**	**193**	**86%**	**NA**

NA—Not available.

NEC—Not elsewhere classified.

[1] Includes SIC 3315, 3316, and 3317.

[2] Includes SIC 2631 and 2661.

[3] Includes SIC 2751 and 2754.

[4] Includes SIC 2621 and 2661.

[5] Includes SIC 3334, 3354, 3355 and 3361.

[6] Includes SIC 3322, 3324, and 3325.

Shipments: Output of all manufacturing plants with 20 or more employees. **Total Plants:** Number of establishments with 20 or more employees. **Shipments Per Plant:** Mathematical average computed by dividing number of plants into total shipments. **Index:** Industry's average shipments per plant as a ratio of the all-U.S. average, $12,430, which represents par, or 100; number above or below 100 indicates degree of variance from the norm. **% Shipments Large Plants:** Share of industry shipments accounted for by plants with 100 or more employees. **1981 Forecast Shipments:** Estimate of 1980–81 % change in current dollars, according to forecast in U.S. Commerce Dept.'s 1981 *U.S. Industrial Outlook.*

Sources: *Sales & Marketing Management's 1981 Survey of Industrial Purchasing Power*; U.S. Dept. of Commerce, 1981 *U.S. Industrial Outlook.*

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each territory, then compare the numbers with the *Survey*'s appropriate plant totals. A comparison of five Massachusetts counties will look like this:

	SIPP	*Company*
Middlesex	1,284	1,122
Worcester	701	693
Suffolk	634	600
Essex	554	522
Bristol	519	510
Total	**3,692**	**3,447**

The analysis reveals he is missing out on the business of 245 prospects. With this information, the sales manager can grade the effectiveness of the salespeople covering the counties, and spur them to do a better job of soliciting new business by including in their compensation package a special incentive for signing up new accounts.

A marketer who pinpoints his sales strategy at specific customer industries will do a similar analysis utilizing the 4-digit SIC industry detail. In this example, the marketer wants field sales efforts properly focussed on the important concentrations of buying power of the three biggest industries—SIC 2911 petroleum refining, SIC 3711 motor vehicles & passenger-car bodies, and SIC 3312 blast furnaces & steel mills (see Profile of 50 biggest manufacturing industries, page 12).

The *Survey* lends itself to such in-depth analysis because, when a 4-digit SIC industry has 1,000 or more employees in a county, it will be listed under the county name. After copying down the details for the counties where the three 4-digit in-

SPECIAL 1981 OUTLOOK

A big comeback for autos? Government seers think so

Industrial marketers who like to put special emphasis on the faster-growing customer industries need a new racing form every year. Yesterday's losers can be today's hot buttons.

A good case in point: the motor vehicles industry. Last year, automobile producers suffered their worst year since 1963 as output tumbled 22%. This year, a 30% increase in shipments will make the industry the second-fastest growing one, according to the Commerce Dept.'s annual *U.S. Industrial Outlook: 1981*. Apparently, Commerce's industry experts aren't as gloomy about industry prospects (they even predict imports will snag a smaller market share) as are Detroit executives and the growing body of protectionists.

Aerospace to set the pace again

Segments of the aerospace complex will be the frontrunners in the growth sweeps, just as they were last year. Combined shipments of the guided-missiles and space-vehicles sector and the space-vehicle-equipment sector will rise 31%, Commerce predicts.

Chemicals, nonelectric machinery, and transportation equipment are the major industry groups most heavily represented among this year's crop of fast-growing industry sectors. Seven 4-digit industry segments in the chemicals group are among the growth leaders, as are six each from nonelectrical machinery and transportation equipment.

Often, one industry's good fortunes rub off on a related industry. Thus, the rise in motor vehicles shipments will trigger a sharp 18% growth for tires and inner tubes.

At least two industries tabbed for high growth may have trouble justifying Commerce Dept. optimism: general sawmills and planing mills and refrigeration and heating equipment. They're closely tied to housing starts and, if the first quarter is a guide, it doesn't appear that home builders will enjoy one of their better years in 1981. Of course, a strong pickup in nonresidential construction could give a fillip to refrigeration and heating equipment shipments.

The numbers on forecasted 1981 shipments form a small part of the *Outlook*. Of equal value to marketers are the detailed analyses of more than 200 industries (which include nonmanufacturing), trend information, and statistical profiles.

This year's edition is enlarged with sections on energy and mining. There are also helpful chapters on productivity performance of individual industries, which shrewd marketers can use as the basis of selling appeals, as well as the increasing internationalization of manufacturing industries.

SIC	*Industry*	*% Growth 1980–81*	*1981 Shipments Forecast ($ Mil.)*
3761	Guided missiles & space vehicles	31%	$9,800
3769	Space vehicles equipment, NEC		
3711	Motor vehicles & passenger car bodies	30	82,800
3573	Electronic computing equipment	26	32,800
3541	Metal-cutting machine tools	26	7,594
3533	Oil-field machinery & equipment	22	9,375
3011	Tires & inner tubes	18	11,000
2834	Pharmaceutical preparations	17	21,210
2844	Cosmetics & toilet preparations	17	11,100
2819	Industrial inorganic chemicals, NEC	16	15,000
2865	Cyclic crudes & intermediates	16	12,700
2421	General sawmills & planing mills	16	11,000
3273	Ready-mixed concrete	16	10,700
2869	Industrial organic chemicals, NEC	15	53,300
3724	Aircraft engines & engine parts	15	13,500
3764	Space-propulsion units & parts		
3728	Aircraft equipment, NEC	15	10,296
3561	Pumps & pumping equipment	15	6,510
3544	Special dies, tools, jigs & fixtures	15	6,345
2841	Soaps & other detergents	14	9,197
2647	Sanitary paper products	14	7,810
2653	Corrugated & solid fiber boxes	13	11,603
2821	Plastic materials & synthetic resins	12	16,100
3585	Refrigeration & heating equipment	12	13,025
3411	Metal cans	11	11,860
2721	Periodicals	11	9,920
2731	Book publishing	11	7,110

NEC: Not elsewhere classified.
Source: U.S. Dept. of Commerce, *U.S. Industrial Outlook: 1981*. Available for $10.00 from Supt. of Documents, U.S. Govt. Printing Office, Washington, DC 20402.

dustries appear, the marketer ends up with this tabulation:

	Total Establishments	Shipments ($ Mil.)
SIC 2911	89	$95,760
SIC 3711	106	64,714
SIC 3312	161	43,449

Next, he compares these figures with the SIC industry totals listed in the section starting on page 30. By comparing his county aggregates with U.S. industry totals, he learns that the counties with 1,000 or more industry employees account for the following shares:

	% Of Plants	% Of Shipments
SIC 2911	27%	61%
SIC 3711	65	96
SIC 3312	47	86

The difference between the county aggregates and the U.S. totals stems from the counties where an industry has fewer than 1,000 employees. That is, the remaining 73% of petroleum refining plants are in counties where employment did not meet the 1,000 cutoff, hence there is no listing for SIC 2911 in those counties.

The marketer learns several things from this tabulation that he can use to sharpen his sales strategy. First, and most important, he now knows where the key concentrations of buying power of each industry are located. He can assign his most productive salespeople to those counties to make sure he will maximize the existing sales potential, or he can allo-

How to use the shipments data to compute local market employment estimates

Marketers of personal-use industrial products such as hand towels or protective eyeglasses are more dependent upon employment totals than shipments in estimating their sales potential or comparing local markets. Hence, the *Survey* includes employment totals in the SIC industry section that starts on page 30. This information can be used to develop approximations of industry employment at the local market level. Marketers who want precise employment data should consult with Economic Information Systems (EIS), whose data bank is the source of *Survey* statistics. That's because EIS, in developing shipments estimates at the county level, wisely recognizes that output-per-employee ratios within the same industry can vary from one part of the country to another because of the level of technology used in individual manufacturing plants.

In the following example, a marketer selling to machine-tools-industry segments wants to develop employment estimates for Los Angeles County, CA. Here's the simple two-step method he uses to build an employment profile for four 4-digit industries:

STEP ONE

First, using the industry totals on page 30, he develops output-per-employee ratios:

SIC	Industry	Shipments ($ Mil.)	÷ Employment	= Output Per Employee
3541	Machine tools, metal-cutting type	$2,361.1	79,730	$29,614
3544	Special dies, tools, and jigs	3,086.8	116,692	26,454
3545	Machine tool accessories	1,958.0	62,859	31,149
3546	Power driven hand tools	1,000.3	27,549	36,310

STEP TWO

Then, he goes to the county section starting on page 39, looks up Los Angeles County, CA, and divides the shipments total for each industry by the relevant output ratio to derive employment estimates.

SIC	Industry	Shipments ($ Mil.)	÷ Output Ratio	= Employment Estimate
3541	Machine tools, metal-cutting type	$50.7	$29,614	1,712
3544	Special dies, tools, and jigs	88.6	26,454	3,349
3545	Machine tool accessories	51.7	31,149	1,660
3546	Power driven hand tools	90.3	36,310	2,487

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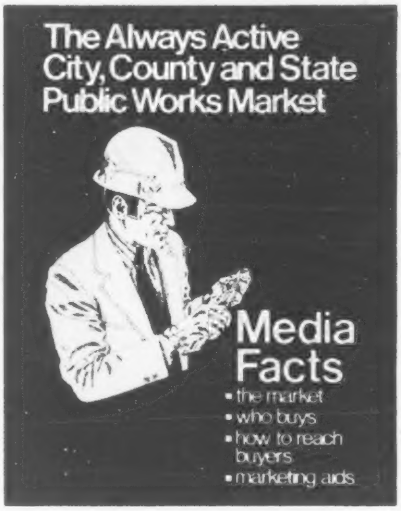

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cate an extra share of his advertising weight to those counties.

Second, by comparing the county shipments for each industry with the total business he derives from the same industries, he can calculate the share of overall sales that each territory should produce. This will be a valuable input in setting equitable sales quotas.

For example, the *Survey* information indicates that Texas should contribute at least 21% of his sales to petroleum refining accounts, Michigan at least 44% of his motor vehicles industry business, and Pennsylvania at least 27% of his steel mills business.

It may not surprise him that these three states are the dominant factors in the three industries. But it may be an eye-opener to learn that the key counties in both Pennsylvania and Illinois shipped more petroleum refining product than Oklahoma.

A third way in which this kind of county breakdown helps the marketer is by pointing him toward new business opportunities. Because plants with common production processes are linked together in SIC groupings, a marketer who sells to a specific 4-digit industry can often tap new sales by analyzing other industries in the same county that have the same two first digits.

If the marketer analyzes the industries listed for Cook County, IL, he will find several that are closely related to the three target industries. There

SURVEY HIGHLIGHT

Plant-count benchmarks for using Survey data

	Number of Plants With 20 Or More Employees		
	1980 EIS[1]	*1978 CBP[2]*	*1977 Census[3]*
By region . . .			
New England	11,405	8,786	8,547
Mideast	28,513	24,808	25,271
Great Lakes	33,271	25,350	24,770
Plains	10,547	7,845	7,491
Southeast	27,645	23,356	22,246
Southwest	9,355	7,916	7,320
Rocky Mountain	2,754	2,263	2,066
Far West	15,515[4]	16,802	16,130
U.S.	**139,005**	**117,126**	**113,843**
. . . and by leading states			
California	11,773	13,018	12,454
New York	11,310	10,380	10,844
Illinois	10,011	7,086	7,032
Ohio	8,815	6,566	6,414
Pennsylvania	8,037	7,451	7,378
Michigan	7,411	5,330	5,155
New Jersey	7,004	5,339	5,447
Texas	6,729	5,803	5,388
Massachusetts	5,003	4,004	3,916
North Carolina	4,583	3,986	3,869
Florida	3,738	3,157	2,843
Indiana	3,574	3,202	3,128
Wisconsin	3,460	3,166	3,041
Georgia	3,396	2,936	2,805
Missouri	3,215	2,423	2,303
Connecticut	3,055	2,265	2,201
Tennessee	2,952	2,504	2,400
Minnesota	2,714	2,124	2,020
Alabama	2,164	1,904	1,812
Virginia	1,925	1,882	1,798
20-state total	**110,869**	**94,526**	**92,248**
% of U.S.	**79.8%**	**80.7%**	**81.0%**

[1] Economic Information Systems.

[2] Census Bureau, *County Business Patterns: 1978.* Compiled from state reports.

[3] Census Bureau, 1977 *Census of Manufactures.* Compiled from final state reports.

[4] Excludes Alaska and Hawaii.

Sources: *Sales & Marketing Management's 1981 Survey of Industrial Purchasing Power;* Census Bureau.

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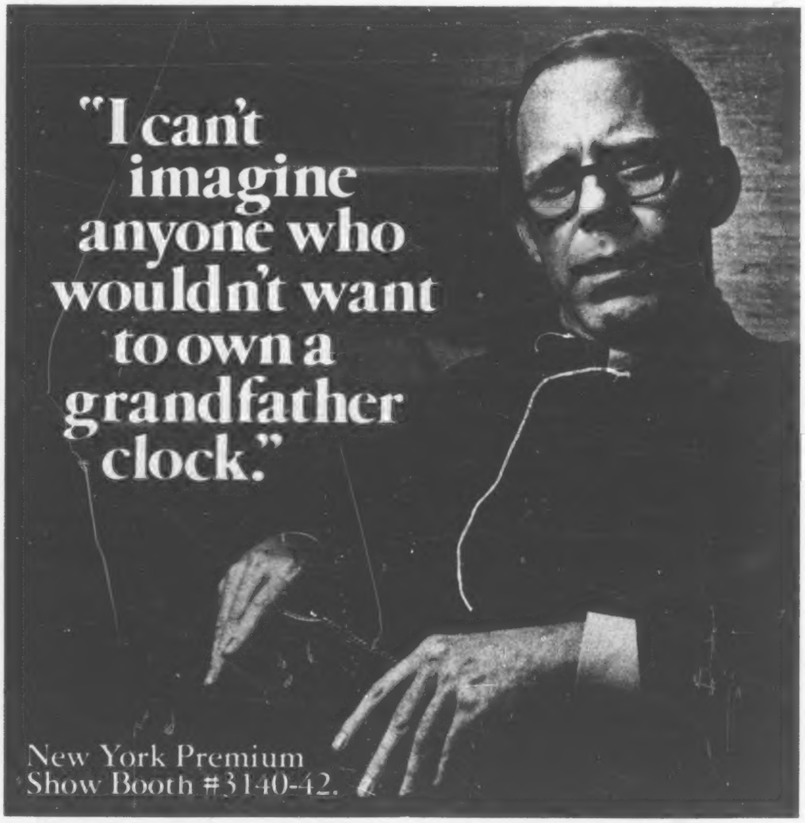
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are, for example, two SIC industries related to petroleum refining with 33 plants, three industries related to motor vehicles with 79 plants, and 11 industries related to steel mills with 185 plants—for a grand total of 297 potential new customers.

A little bit of market research will determine if a product sold to the three major industries can be used in the related industries or whether a slight modification is necessary. In any event, the marketer is now aware of the new business opportunity the 297 plants represent and can either expand his sales force to cover them or use a manufacturers rep firm to solicit their business.

SIC-related industries often serve a useful function in new product introductions. When a marketer aims a new product at an industry he has not sold to before, it is difficult to estimate the offering's sales potential. One way around this difficulty is to examine one's sales to a closely related industry and use its buying patterns as a model for calculating the sales potential of the new product.

For example, the marketer who plans a new product for foundries, SIC industry group

SURVEY HIGHLIGHT

Counties with the most prospects

1980 Rank	County	State	No. Of Plants	% Of U.S. Shipments
1.	Cook	IL	6,160	3.5118%
2.	Los Angeles	CA	5,842	3.5650
3.	New York	NY	2,896	.7843
4.	Cuyahoga	OH	1,906	1.0252
5.	Wayne	MI	1,745	1.8081
6.	Kings	NY	1,357	.4069
7.	Harris	TX	1,344	1.4478
8.	Philadelphia	PA	1,297	.7520
9.	Middlesex	MA	1,284	.7619
10.	Dallas	TX	1,142	.6072
11.	Bergen	NJ	1,122	.5195
12.	Oakland	MI	1,082	.7179
13.	Nassau	NY	1,068	.5044
14.	Orange	CA	1,032	.5572
15.	Hennepin	MN	995	.5816
16.	Providence	RI	986	.3661
17.	Essex	NJ	937	.4041
18.	St. Louis Ind. City	MO	934	.6772
19.	Hamilton	OH	906	.8568
20.	Dade	FL	898	.2962
21.	Fairfield	CT	890	.5714
22.	Queens	NY	882	.3410
23.	Milwaukee	WI	862	.6929
24.	New Haven	CT	818	.4045
25.	Hartford	CT	804	.5332
26.	Hudson	NJ	753	.4372
27.	Union	NJ	737	.6558
28.	Macomb	MI	723	.4117
29.	King	WA	719	.5365
30.	Passaic	NJ	712	.2918
31.	Allegheny	PA	710	.6464
32.	Worcester	MA	701	.3304
33.	Suffolk	NY	695	.2733
34.	Santa Clara	CA	693	.8130
35.	Alameda	CA	675	.4000
36.	Middlesex	NJ	648	.5668
37.	San Francisco	CA	645	.2346
38.	Montgomery	PA	642	.3902
39.	Suffolk	MA	634	.3128
40.	Multnomah	OR	602	.2948
41.	Maricopa	AZ	600	.4499
41.	Du Page	IL	600	.2639
43.	Tarrant	TX	598	.4265
44.	Erie	NY	578	.5556
45.	Marion	IN	570	.5653
46.	Essex	MA	554	.2999
47.	Kent	MI	543	.2702
48.	Baltimore Ind. City	MD	522	.4523
49.	Bristol	MA	519	.2600
50.	Franklin	OH	517	.3432
	50-county total		**55,079**	**33.1760%**

No. of Plants: Manufacturing establishments with 20 or more employees. **% Of U.S. Shipments:** County's share of total U.S. manufacturing shipments.
Source: *Sales & Marketing Management's 1981 Survey of Industrial Purchasing Power.*

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When you have a lot of creative ideas like we do, you're bound to come up with a few bad ones, too. But we never use those. And not because we wouldn't like to sometimes. You know, some bad ideas can be barrels of fun to play around with. But we don't use them because we know better. And it's probably just that simple.

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SURVEY HIGHLIGHT

Survey vs. government shipments data

		1980 Shipments Totals — Reported By —				
SIC	Industry	Economic Information Systems ($ Mil.)	Census Bureau ($ Mil.)	1979–80 % Change EIS	CB	EIS Shipments As Ratio Of CB[1]
	Durable goods	**$ 870,809**	**$ 902,723**	**+10.3%**	**+ 1.7%**	**97**
24	Lumber	45,242	NA	+21.8	NA	NA
25	Furniture	19,074	NA	− 4.0	NA	NA
32	Stone, clay & glass	47,229	49,509	+11.7	+ 2.7	95
33	Primary metals	131,880	137,984	+ 6.1	− 1.5	96
34	Fabricated metals	106,782	111,466	+10.7	+ 1.8	96
35	Nonelectrical machinery	163,963	169,318	+16.3	+ 7.4	97
36	Electrical, electronic equipment	120,062	123,390	+22.2	+11.5	97
37	Transportation equipment	174,588	179,187	− 0.8	− 7.9	97
38	Instruments	40,229	42,026	+27.7	+15.9	96
	Miscellaneous[2]	(86,076)	89,843	(+ 7.8)	− 1.1	(96)
	Nondurable goods	**$ 857,031**	**$ 895,816**	**+21.3%**	**+11.4%**	**96**
20	Food	241,235	252,071	+16.3	+ 7.3	96
21	Tobacco	13,854	13,781	+22.4	+13.2	101
22	Textile mills	46,789	48,780	+13.4	+ 3.8	96
23	Apparel	50,462	NA	+17.2	NA	NA
26	Paper	68,334	70,991	+17.3	+ 7.5	96
27	Printing & publishing	61,922	NA	+28.8	NA	NA
28	Chemicals	155,728	162,390	+18.9	+ 8.9	96
29	Petroleum & coal	166,655	175,533	+42.4	+31.0	95
30	Rubber & plastics	42,657	43,995	+ 8.1	− 1.7	97
31	Leather	9,395	NA	− 4.7	NA	NA
	Miscellaneous[3]	(121,779)	128,272	(+20.6)	+10.4	(95)
	All-industry total	**$1,727,840**	**$1,798,539**	**+15.5%**	**+ 6.3%**	**96**

NA—Not available.

[1] EIS's data bank does not include plants with less than 20 employees or establishments in Alaska and Hawaii; hence, its shipments estimates should always be less than those of the Census Bureau.

[2] Census Bureau's durable goods miscellaneous category includes SIC 24 lumber, SIC 25 furniture, and SIC 39 other durable goods. The EIS figure is in parentheses because it represents a double-counting of SICs 24 and 25 as well as $21.760 million for EIS's own "miscellaneous manufacturing industries."

[3] Census Bureau's nondurable goods miscellaneous category includes SIC 23 apparel, SIC 27 printing & publishing, and SIC 31 leather. The EIS figure is in parentheses because it represents a double-counting of those three SICs.

Sources: *Sales & Marketing Management's 1981 Survey of Industrial Purchasing Power*; Census Bureau, *Manufacturers' Shipments, Inventories, and Orders M3-(81)-1.*

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SURVEY HIGHLIGHT

10 biggest manufacturing prospects

Largest plants in the U.S. in terms of shipments

Company	County/State	SIC Industry	1980 Shipments ($ Mil.)	% of Industry
Exxon Corp.	East Baton Rouge, LA	2911	$5,057.4	3.23%
Atlantic Richfield Co.	Harris, TX	2911	3,355.9	2.15
General Motors: Buick Div.	Genesee, MI	3711	3,109.2	4.62
Texaco, Inc.	Jefferson, TX	2911	2,905.1	1.86
Conoco, Inc.	Kay, OK	2911	2,809.6	1.80
General Motors: Oldsmobile Div.	Ingham, MI	3711	2,795.4	4.16
R.J. Reynolds Tobacco Co.	Forsyth, NC	2111	2,482.9	24.62
Cities Service Co.	Calcasieu, LA	2911	2,400.2	1.54
Exxon Corp.	Union, NJ	2911	2,275.8	1.46
Sun Petroleum Products Co.	Delaware, PA	2911	2,156.2	1.38

Source: Prepared for Sales & Marketing Management by Economic Information Systems, New York.

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332, can use his sales to SIC 3312 steel mills as an indicator because they share the same first two digits.

Based upon the reasonable assumption that shipments bear a close relationship to purchases—the more output produced, the more is required in supplies, materials, and equipment—the marketer can use the *Survey* to get a reliable fix on whether he is getting his share of sales potential. Here, he matches the county distribution of his sales revenues with the total shipments reported in the *Survey*. In this example, 10 important counties are matched for their shares of sales and shipments:

County	% Of Sales	% Of Shipments
New York, NY	11.86%	5.43%
Kings, NY	5.56	2.82
Philadelphia, PA	5.31	5.21
Cook, IL	25.24	24.31
Cuyahoga, OH	7.81	7.10
Wayne, MI	7.15	12.52
Harris, TX	5.51	10.02
Dallas, TX	4.68	4.20
Los Angeles, CA	23.93	24.68
King, WA	2.95	3.71

The analysis reveals he is doing as well as expected in the two most important counties, Cook and Los Angeles, where almost half of his business comes from. Also, the salespeople are performing considerably better than average in New York and Kings counties; conversations with them may turn up selling tactics that could be emulated successfully elsewhere. The analysis further reveals that he has serious problems in Wayne and Harris counties, where his share of sales is seriously under the level suggested by share of shipments.

Knowing where he is and where he wants to go are two critical factors the marketer must know in formulating successful sales strategies. The *Survey*'s multifaceted details on counties and industries will enlighten him on the level of success he is achieving with current plans and will also point him in the direction of future goals that produce positive bottom-line results. ■

Managing in real-time

By JAY M. GOULD
President
Economic Information Systems

It's becoming easier to obtain fast answers to such key marketing questions as Who are my top prospects? Where are they? How much do they buy? Data bases that contain the desired information in one source, plus desk-top terminals and simple computer languages that enable one to "converse" with the data base, put the marketer in a real-time information mode.

A marketer who is connected on-line to a data base no longer has to wait weeks for the corporate data processing department to generate the facts he needs for decisions relating to direction of sales force efforts, introduction of new products, or location of new sales branches. Instead, with a few simple "commands," he can extract the information he needs on demand, formatted the way that will suit his needs.

Economic Information Systems (EIS), New York City, has given these information-retrieval systems a powerful new twist by incorporating input-output economics that delineates the buying and selling relationships between industries. EIS's forward step is the result of a joint effort with the Service Bureau Co., a data-services division of Control Data Corp., Minneapolis. Called the X/Market Business Information Service, it enables the user to access EIS's data base of 450,000 establishments that account for 95% of industrial sales and purchases in manufacturing, mining, transportation, and utilities, and 90% in construction, retail and wholesale trade, finance and services. The service gives the marketer up-to-date, highly detailed marketing identification and measurement information, all keyed to the user's specific needs.

A user's manual instructs the marketer on what he needs to know to operate the system, such as Standard Industrial Classification (SIC) industry and product codes, geographic codes for states and counties, and company codes. Thus armed, the marketer has instant access to quantified information about the sales and purchases of all products and services produced or consumed by business establishments.

Simple commands generate reports which provide information on names and addresses of business locations, their size and industry, telephone numbers, parent company, and their sales and purchases of thousands of products and services.

We can best illustrate what the service does by showing three sample reports.

◆ **A share-of-market report** lists all companies in any of 920 different 4-digit SIC industries in high-to-low sequence of sales and market shares, along with the number of company-owned establishments (Example 1). The user can retrieve all or any portion of the report, focussing

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EIS and Census: Why can't they agree?

Marketers who compare the *Survey of Industrial Purchasing Power's* (SIPP) plant totals with those in the Census Bureau's annual *County Business Patterns* (CBP) state reports should bear in mind the important factors as to why the two sources don't always agree.

Obviously, as Bentley H. Paykin, vice president of Economic Information Systems (EIS), points out, no private information source can duplicate the bureau's financial and personnel resources, not to mention its legal power to compel answers. Also, the CBP reports pertain to a fixed point in time whereas EIS is a dynamic system that constantly inputs new information, excises out-of-date information.

Paykin also cites the following facts of life in data collection that lead to honest differences:

"1. Establishments on the borderline of a size class—the CBP uses nine different classes—can move from one category to the next with a change in just one or two employees. Such movement can be considerable over the two-year time frame in which CBP data trail SIPP data.

"2. Employment data comparisons are inherently imprecise. CBP shows employment for a specific pay period whereas companies generally report it as an annual average. Small companies tend to inflate their employment so that many plants with 15 or 16 employees will claim to have 20.

"3. EIS's technical procedures for reconciling its files against the annual CBP reports invariably leave a residual of unreconciled plant locations. When the differences are uncovered, they continue in our file as the process of reconciliation goes on. After the file is updated, the old differences disappear but new ones appear."

Paykin stresses that "the major discrepancy between the Census Bureau and EIS is in plant totals. There is less disparity on the value of shipments, which is the key statistical measure of industrial buying power and industrial activity."

on companies of any desired size or rank.

◆ **A line-of-business report,** for any of the 30,000 companies that operate in more than one 4-digit SIC industry, breaks down total company sales by industry in a systematic way. The example shown here details ACF Industries for the 12 4-digit manufacturing industries its products cover as well as nonmanufacturing and foreign subsidiaries' sales (Example 2).

◆ **An establishment ranking report** is broken down in two phases. In the first, the user specifies the industry and geographic area he wants to examine for top prospects. A marketer of automated office equipment, for instance, could be interested in locations with the highest number of white collar employees in the printing and

Example 1 **Share-of-market report**

SIC 3743 **Description: Railroad equipment**

Rank	Company	Estimated Sales ($ Mil.)	Share Of Mkt.	Cumul. Share	No. Of Estab.
1.	Pullman, Inc.	$913.5	24.71%	24.71%	5
2.	General Electric Co.	$407.6	11.02	35.73	1
3.	Paccar, Inc.	$386.3	10.45	46.18	1
4.	General Motors Corp.	$263.4	7.12	53.30	4

Cumul. sales total $1,970.0 million.
Industry total $3,696.1 million.

Example 2 **Line-of-business report**

ACF Industries, Inc.

SIC Code	SIC Description	Sales ($ Mil.)	% Of Co. Sales	% Of SIC Sales	SIC Rank	No. Of Estab.
3041	Rubber & plastic hose & belting	$ 34.1	4.78%	2.87%	7	1
3316	Cold finishing of steel shapes	$ 11.6	1.62	0.31	46	1
3321	Gray iron foundries	$ 10.3	1.44	0.20	85	1
3429	Hardware, NEC	$ 3.1	0.43	0.07	249	1
3494	Valves & pipe fittings	$ 69.7	9.78	1.47	9	2
3533	Oil field machinery	$ 50.3	7.05	0.75	34	1
3599	Machinery, except electrical, NEC	$ 3.3	0.46	0.05	253	1
3714	Motor vehicle parts & accessories	$172.7	24.23	0.64	18	2
3743	Railroad equipment	$207.8	29.16	5.62	5	3
4743	Railroad car rental without service	$102.2	14.34	6.86	5	1
5084	Industrial machinery & equipment wholesaling	$ 2.8	0.39	0.01	2685	1
5088	Transportation equipment wholesaling	$ 9.0	1.26	0.14	28	3
	Total manufacturing sales	$562.9	78.99			
	Total nonmanufacturing sales	$114.0	15.99			
	Total foreign/other sales	$ 35.7	5.00			
	Company total	$712.6 million				

Example 3 **Establishment ranking report**

New York County

Rank	SIC Code	Establishment	Address	Employment	White Collar Employment
1.	2721	Time, Inc.	1271 Ave. of the Americas	4,500	4,140
2.	2711	New York Times	229 W. 43rd St.	4,000	2,480
3.	2721	McGraw-Hill Pub.	1221 Ave. of the Americas	2,500	2,175
3.	2731	McGraw-Hill Pub.	1221 Ave. of the Americas	2,500	2,175
5.	2711	News Syndicate Co.	220 E. 42nd St.	3,500	2,170
Etc.					

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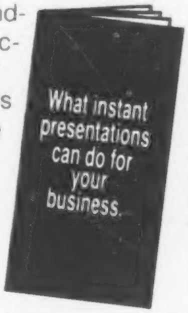

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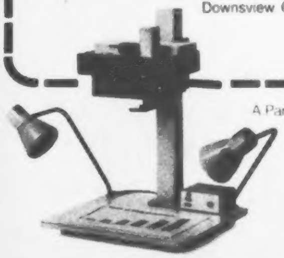

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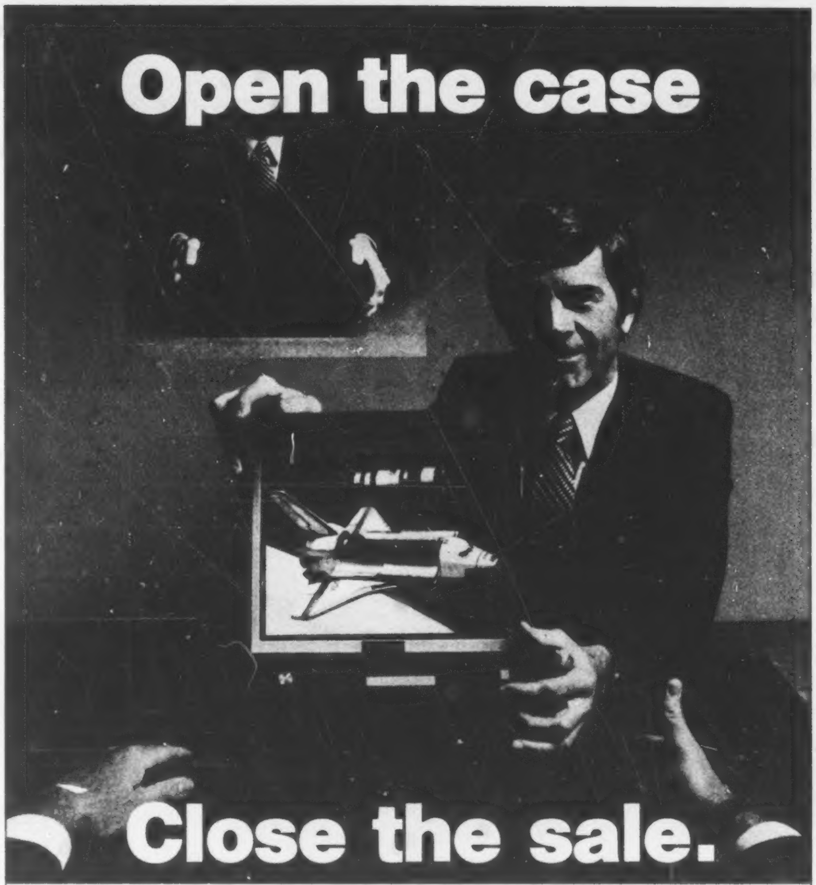
publishing industry in New York County (Manhattan). A summary report will indicate there are 16 printing and publishing industry sectors in the county, comprising 22 establishments of 500 or more white collar employees.

In the second phase, the user, in order to determine the buying potential of the prospects, "commands" a list that ranks the 22 locations in terms of white collar workers, an indicator of office equipment demand (Example 3).

The key to determining what an individual establishment buys, and in what quantitites, is the series of "technical coefficients" or "input-output ratios" that EIS developed for the X/Market Business Information Service. These coefficients, in brief, quantify the amount of paper supplies and office equipment a publishing establishment consumes per dollar of shipment of its own product.

The EIS method makes the basic assumption that all establishments in an industry share the same technology and consume the same types of industrial products. Because an industry is defined as the sum of its member plants, the sales or consumption of a product attributed to each establishment is correlated with the employment size of the plant, and adjusted in accordance with the average productivity per employee for each company in line with its size, geographic location, and corporate ownership. All of this manipulation, speedily done by the computer, enables the user to determine the demand for his product line by any prospect plant easily and quickly.

A certain degree of flexibility enhances the system's usefulness. A user who believes that the system's quantification factors assign too much purchasing importance to some industries at the expense of others can change them at will. Thus there is room for the judgment values that sales executives rely on to give any set of numbers greater meaning.



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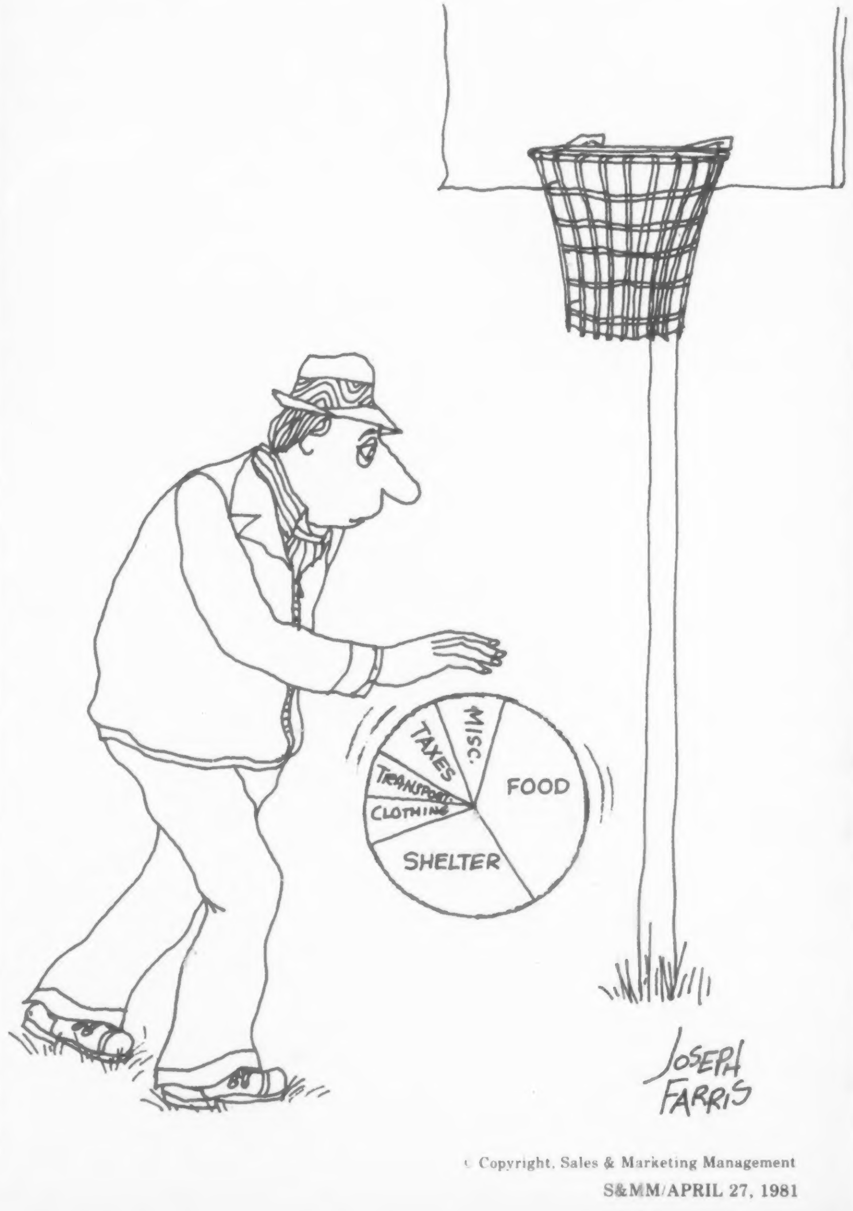
What is this thing called SIC?

A basic goal of the *Survey of Industrial Purchasing Power* is to help industrial marketers zero in on specific target markets for their individual products. The *Survey* does that by using the federal government's unique **Standard Industrial Classification** (SIC) numerical system, which subdivides all the U.S.'s businesses into finer and more detailed product industries or market segments.

The SIC coding system first divides the nation's overall economy into 10 **Basic Industries**, each of which is given a range of 2-digit classification codes. Manufacturing, for example, has 20 2-digit codes—20



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to 39—each representing a **Major Group,** such as Food: SIC 20. These, in turn, are subdivided into 143 3-digit **Industry Groups,** such as dairy products: SIC 202. At the next level of detail, they are subdivided into 454 4-digit **Specific Industries,** such as creamery butter: SIC 2021; and fluid milk: SIC 2026.

4-digit popular choice

The *Survey* uses the 4-digit SIC codes because that is the level of detail most widely used by industrial marketers. When a 4-digit industry has 1,000 or more employees in a county, the name of that industry, and its 4-digit code, appears below the county name in the statistical section starting on page 39. That information tells the industrial marketer (1) where his prospects are located geographically and (2) the local area's relative importance in a given customer industry.

It is important to understand that the basic reporting unit in the SIC system, as well as in the *Survey,* is the **Individual Establishment,** such as a factory, plant, or mill. Thus establishments should not be confused with companies.

In 1977, the latest year for which comparable federal government data are available, 229,761 companies classified in the manufacturing category filed income tax reports with the Internal Revenue Service. That same year, according to *County Business Patterns,* there were 327,850 manufacturing establishments and, according to the 1977 *Census of Manufactures,* 358,502.

In its quinquennial *Census of Manufactures,* the Census Bureau assembles data at two additional levels. Those are the 5-digit **Product Classes** (1,350 in number) and the 7-digit **Prod-**

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Source: S&MM Survey of Buying Power, 1980

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ucts or **Commodities** (totaling 13,000), both considered the **Primary Products** of an industry that has the same first four digits. These data will be found in Tables 5A through 6C in the Industry Series reports.

SIC data, despite their usefulness, have certain limitations.* First, assigning all the output of a multiproduct establishment to a single 4-digit industry can overstate the total shipments figure for that industry and, conversely, understate the totals of the industries that describe the plant's secondary products.

The Industry Series reports from the 1977 *Census of Manufactures* include two helpful ratios for getting around that problem. The first ratio, **Primary Product Specialization**, indicates the proportion of a 4-digit industry's reported total shipments that is represented by the Primary Products. For example, in SIC 3523: farm machinery and equipment, Primary Products accounted for 92% of the shipments of establishments classified in that industry; 8% of the shipments represented **Secondary Products** (those goods considered the primary products of another industry).

The second ratio, **Coverage**, is the proportion of Primary Products shipped by the establishments in a 4-digit industry to the total shipments of such products by all establishments. For example, the establishments in SIC 3523 accounted for 95% of the total shipments of the Primary Products (farm machinery and equipment) that that particular industry represents. The two ratios are found in Table 5B in the Industry Series reports.

A second limitation involves **Interplant Transfers:** when products are shipped between establishments owned by the same business enterprise for further processing. In effect, the shipments are double-counted.

The third, and most serious, limitation—but, at the same time, this *Survey*'s biggest plus—is the nondisclosure rule, which bars the Census Bureau from publishing data that can identify a special establishment. Because the largest plants are often affected, their shipments will be blanked out from industry totals, leading to a serious understatement at the local area level. Economic Information Systems, New York City, from whose data bank the *Survey* information is drawn, does not face that re-

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**A helpful explanation of SIC and its drawbacks is contained in "SIC: The Increasing Misapplication of a Useful Tool," by Machinery & Allied Products Institute, Washington, DC; price: $3.*

Better insights into consumer markets, too

Although this *Survey* is primarily oriented to the information needs of marketers who sell to industries, the data can be used by consumer-goods marketers to gain deeper insights into the relative buying power of their local markets. Because factory paychecks are by far the biggest source of personal income, contributing more than one-fourth of consumer buying power, what happens in manufacturing can affect a local market's Effective Buying Income (EBI).

Many counties, as the table on page 8 demonstrates, are highly dependent upon one manufacturing sector. For example, SIC 3711 motor vehicles & parts accounts for 76% of the total shipments in Genesee County, MI; 58% in Oakland County, MI; and 28% in Wayne County, MI. Thus the relative fortunes enjoyed by the automobile industry this year will have an important impact on the 1981 EBI level of those counties as well as on their respective metropolitan markets.

Caution on year-to-year comparisons

Economic Information Systems (EIS), whose data banks are the source of the industry and geographic details in S&MM's annual *Survey of Industrial Purchasing Power*, uses the 1977 *Census of Manufactures* as the benchmark year. Consequently, certain data, such as plant totals or shipments, may appear inconsistent with those appearing in the 1979 and earlier *Surveys*. That's because, up to the 1980 *Survey*, EIS relied on the 1972 *Census of Manufactures* as its benchmark. As any marketer knows, the further one moves from a census year, the weaker the benchmark becomes. However, users of the 1981 *Survey* can be assured that not only are they receiving the most current information published—the latest government data on plant totals are for 1978, the latest on geographical shipments for 1977—but the most viable because it reflects an update of the 1977 *Census of Manufactures*.

striction and includes such units in calculating county and industry totals. Thus in certain cases, the shipments totals on pages 30 to 34 gives a better estimate of the "real" world.

A complete list of industries, and their definitions, appears in the *Standard Industrial Classification Manual: 1972*, available from the U.S. Government Printing Office, Washington, DC 20402; price: $6.75. A 1977 *Supplement*, incorporating minor revisions, is available from the same source for 90c. A second helpful source for data on shipments and employment are the preliminary summary reports: *Selected Statistics for Industry Groups and Industries: 1977 and 1972*, MC77-S-1(P), 35¢; and *Selected Statistics for States: 1977 and 1972*, MC77-S-2(P), 35¢. Both are available from Subscriber Services (Publications), Bureau of the Census, Washington, DC 20233.

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S&MM'S FOUR SURVEY ISSUES

Each year Sales & Marketing Management publishes four *Survey* issues, which, taken together, provide a comprehensive and convenient information system for both consumer and industrial marketers. The data contained in the four *Survey* issues facilitate the analysis and selection of local geographic markets as well as target customer markets, the development of appropriate sales strategies for reaching those markets, and the comparison of the costs of selling in the geographical markets. The four *Surveys: Survey of Buying Power* (July), *Survey of Buying Power—Part II* (Nov.), *Survey of Selling Costs* (Feb.) and *Survey of Industrial Purchasing Power* (April).

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1981 Survey SIC totals

U.S. plant and shipments totals for 4-digit manufacturing industries

The U.S. plant and shipments totals in this section, covering all Standard Industrial Classification (SIC) 4-digit manufacturing industries, provide insights into the total customer-base (plants) available to the marketer's sales force, and the potential market demand (shipments).

When used in conjunction with the geographical section, starting on page 39, the U.S. totals shown here can be used to calculate the relative importance of individual counties that make up sales territories. For example, two counties account for more than two-fifths of the output of SIC 3861 (photographic equipment and supplies): Monroe County, NY, home of Eastman Kodak, representing 35%; and Middlesex County, MA, Polaroid's home base, 6%.

The employment data can be used to estimate employment at the county level by (1) computing an output-per-employee ratio and (2) dividing that ratio into the county's SIC industry shipments figure.

SIC 20 Food

SIC	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Employment	1980 (S&MM Est.) Total Shipments ($Mil.)	1980 (S&MM Est.) % In Large Plants
2011	Meat-packing plants	1,112	361	156,474	38,797.4	80
2013	Sausages & other prepared meats	688	193	67,536	10,783.9	69
2016	Poultry-dressing plants	308	216	73,854	7,156.6	95
2017	Poultry & egg processing	247	122	38,700	1,071.2	85
2021	Creamery butter	136	12	7,076	1,216.4	29
2022	Natural & processed cheese	310	76	29,079	9,002.1	66
2023	Condensed & evaporated milk	175	43	14,515	3,828.2	58
2024	Ice cream & frozen desserts	403	102	34,027	2,538.3	61
2026	Fluid milk	981	329	95,697	16,824.0	69
2032	Canned food specialties	102	51	25,181	3,550.4	91
2033	Canned fruits & vegetables	676	345	122,328	7,738.4	87
2034	Dehydrated fruits, vegetables, & soups	116	55	20,768	1,340.0	87
2035	Pickles, sauces, & salad dressings	224	75	25,821	3,572.0	75
2037	Frozen fruits & vegetables	257	145	60,263	4,213.0	91
2038	Frozen food specialties	150	80	29,762	4,246.8	89
2041	Flour & other grain-mill products	239	73	23,537	4,697.5	67
2043	Cereal breakfast foods	44	24	18,557	3,075.5	95
2044	Rice milling	48	16	5,588	1,577.7	76
2045	Blended & prepared flour	44	18	5,875	1,353.6	80
2046	Wet corn milling	50	20	12,262	2,439.5	89
2047	Pet food	151	45	16,004	3,849.7	73
2048	Prepared feeds n.e.c.	1,002	100	53,594	11,287.3	36
2051	Bread, cake, & related products	1,421	603	189,680	11,218.8	82
2052	Cookies & crackers	181	82	41,372	3,400.4	89
2061	Raw cane sugar	46	24	8,487	474.8	87
2062	Cane-sugar refining	26	21	10,040	2,783.6	97
2063	Beet sugar	57	50	14,755	1,537.5	98
2065	Confectionery products	497	157	66,212	5,617.0	77
2066	Chocolate & cocoa products	35	17	9,542	1,942.1	91
2067	Chewing gum	18	15	9,382	719.8	99
2074	Cottonseed-oil mills	86	15	6,739	1,107.4	45
2075	Soybean-oil mills	77	22	6,524	9,783.0	54
2076	Vegetable-oil mills n.e.c.	35	10	2,999	658.0	57
2077	Animal & marine fats & oils	205	23	11,605	2,159.7	34
2079	Shortening & cooking oils n.e.c.	74	39	11,874	5,209.4	85
2082	Malt beverages	89	69	46,047	8,641.1	98
2083	Malt	28	10	2,519	651.3	66
2084	Wines, brandy, & brandy spirits	94	33	10,507	1,638.3	76
2085	Distilled liquor, except brandy	81	38	18,061	2,952.2	89
2086	Bottled & canned soft drinks	1,591	343	128,031	12,956.0	58
2087	Flavoring extracts & syrups n.e.c.	172	32	12,980	3,235.3	56
2091	Canned & cured seafoods	154	63	21,319	1,623.6	79
2092	Fresh or frozen packaged seafoods	310	69	27,861	2,550.0	62
2095	Roasted coffee	94	39	14,757	7,130.2	85
2097	Manufactured ice	155	6	6,831	182.9	18
2098	Macaroni & spaghetti	68	27	7,455	852.4	74
2099	Food preparations n.e.c.	755	211	72,423	8,051.1	68

SIC 21 Tobacco

SIC	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Employment	1980 (S&MM Est.) Total Shipments ($Mil.)	1980 (S&MM Est.) % In Large Plants
2111	Cigarettes	12	12	43,032	10,085.9	100
2121	Cigars	59	28	10,084	322.1	87
2131	Chewing & smoking tobacco & snuff	21	17	4,857	546.9	95
2141	Tobacco stemming & redrying	84	50	15,181	2,899.1	91

SIC 22 Textile mill products

SIC	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Employment	1980 (S&MM Est.) Total Shipments ($Mil.)	1980 (S&MM Est.) % In Large Plants
2211	Cotton-weaving mills	379	290	162,813	5,244.3	98
2221	Synthetics- & silk-weaving mills	321	204	90,900	7,325.4	95
2231	Wool-fabric weaving & finishing mills	188	97	37,033	674.5	88
2241	Narrow-fabric mill	294	98	29,517	739.7	71
2251	Women's full- & knee-length hosiery	184	98	36,626	1,025.0	89
2252	Hosiery n.e.c.	256	105	33,403	1,016.7	79
2253	Knit-outerwear mills	485	193	71,699	2,644.3	91
2254	Knit-underwear mills	83	57	25,601	729.2	94
2257	Circular-knit fabric mills	168	67	25,096	3,219.0	81
2258	Warp-knit fabric mills	78	37	11,538	1,840.8	83
2259	Knitting mills n.e.c.	42	8	3,625	109.8	59
2261	Cotton-finishing plants	220	97	47,328	1,001.1	88
2262	Synthetics- & silk-finishing plants	102	52	20,303	2,589.2	87
2269	Textile-finishing plants n.e.c.	135	59	17,434	941.2	80
2271	Woven carpets & rugs	52	20	7,409	194.2	81
2272	Tufted carpets & rugs	203	117	46,938	5,096.6	92
2279	Carpets & rugs n.e.c.	33	6	2,333	108.9	52
2281	Yarn-spinning mills, except wool	368	271	81,593	4,417.2	94
2282	Throwing & winding mills, except wool	96	64	18,988	2,178.3	92
2283	Wool-yarn mills	81	46	15,456	208.9	88
2284	Thread mills	54	30	13,523	627.4	92
2291	Felt goods, except woven felts & hats	51	19	6,460	201.5	77
2292	Lace goods	38	13	4,694	47.0	78

DEFINITIONS—**SIC**: 4-digit classification used by federal government. **Industry:** Classification by plant's primary product. A complete listing of full SIC industry titles and definitions is in the 1972 *Standard Industrial Classification Manual*, U.S. Government Printing Office, Washington, DC; price: $6.75. **Total Plants:** 20 + employees. **Large Plants:** 100 + employees. **Shipments:** Dollar value of all goods produced. **% In Large Plants:** Share of dollar shipments produced in plants with 100 + employees. This is a rounded number; if the share is 99.5% or more, it shows as 100%. **Employment:** Number of persons employed in plants with 20 + employees. **N.e.c.:** Not elsewhere classified.

1980 (S&MM Est.)

SIC	Industry	Number Of Plants Total Plants	 Large Plants	Employ-ment	Total Shipments ($Mil.)	% In Large Plants
2293	Paddings & upholstery filling	74	13	5,235	276.3	47
2294	Processed textile waste	119	18	7,165	202.3	41
2295	Coated fabrics, not rubberized	130	37	14,079	1,303.5	71
2296	Tire cord & fabric	26	22	11,092	1,248.7	98
2297	Nonwoven fabrics	31	11	5,087	962.6	81
2298	Cordage & twine	105	35	10,810	348.9	74
2299	Textile goods n.e.c.	117	28	12,149	266.1	69
SIC 23	**Apparel**					
2311	Men's & boys' suits & coats	461	273	97,345	3,627.7	91
2321	Men's & boys' shirts & nightwear	578	413	123,525	3,685.8	93
2322	Men's & boys' underwear	77	62	22,982	520.3	96
2323	Men's & boys' neckwear	111	19	7,661	265.2	49
2327	Men's & boys' separate trousers	411	303	97,033	2,179.7	94
2328	Men's & boys' work clothing	421	289	86,834	4,742.5	92
2329	Men's & boys' clothing n.e.c.	450	213	60,757	1,341.0	80
2331	Women's & misses' blouses	484	163	49,183	2,921.4	66
2335	Women's & misses' dresses	1,188	355	115,609	5,406.0	64
2337	Women's & misses' suits & coats	521	151	48,601	3,683.6	62
2339	Women's & misses' outerwear n.e.c.	792	311	92,781	4,010.8	74
2341	Women's & children's underwear	483	266	84,060	2,275.7	87
2342	Brassieres, girdles, & allied garments	120	69	24,888	811.8	89
2351	Millinery	49	4	2,316	85.8	27
2352	Hats & caps, except millinery	147	42	13,756	331.2	63
2361	Girls' & children's dresses & blouses	252	96	27,111	1,026.2	72
2363	Girls' & children's coats & suits	59	20	6,046	224.6	67
2369	Girls' & children's outerwear n.e.c.	242	101	31,874	892.1	78
2371	Fur goods	117	6	4,996	436.8	16
2381	Fabric dress & work gloves	138	55	17,418	402.7	76
2384	Robes & dressing gowns	81	28	8,004	354.5	69
2385	Waterproof outer garments	114	46	15,555	464.4	79
2386	Leather- & sheep-lined clothing	51	14	4,479	273.4	61
2387	Apparel belts	108	23	8,369	303.9	53
2389	Apparel & accessories n.e.c.	117	18	7,969	263.0	47
2391	Curtains & draperies	341	75	27,679	1,230.2	61
2392	House furnishings n.e.c.	345	106	32,854	2,779.1	68
2393	Textile bags	140	34	10,339	389.4	55
2394	Canvas & related products	266	33	14,573	569.3	40
2395	Pleating, stitching, & tucking	139	21	8,284	774.0	43
2396	Automotive & apparel trimmings	172	33	20,009	2,613.8	69
2397	Schiffli-machine embroideries	47	4	2,322	207.0	33
2399	Fabricated textile products n.e.c.	328	79	28,252	1,369.1	62
SIC 24	**Lumber & wood products**					
2411	Logging camps & contractors	407	35	24,330	7,384.9	44
2421	General sawmills & planing mills	1,973	372	155,512	12,463.5	57
2426	Hardwood dimension & flooring	383	81	29,443	900.2	54
2429	Special-product sawmills n.e.c.	96	11	6,284	253.7	50
2431	Millwork	1,165	200	83,765	4,329.1	54
2434	Wood kitchen cabinets	389	73	31,163	1,865.7	60
2435	Hardwood veneer & plywood	281	110	33,231	1,470.7	76
2436	Softwood veneer & plywood	215	132	37,720	4,412.1	90
2439	Structural wood members n.e.c.	368	48	24,000	872.3	45
2441	Nailed & lock-corner wood boxes	200	37	13,025	286.3	50
2448	Wood pallets & skids	318	24	15,041	747.1	25
2449	Wood containers n.e.c.	132	43	12,325	271.9	67
2451	Mobile homes	438	207	51,944	3,372.4	75
2452	Prefabricated wood buildings	302	81	25,139	2,132.5	61
2491	Wood preserving	230	28	14,439	1,041.9	39
2492	Particleboard	72	43	17,866	514.6	92
2499	Wood products n.e.c.	980	170	71,410	2,922.8	55
SIC 25	**Furniture**					
2511	Wood household furniture	929	349	127,708	4,676.5	81
2512	Upholstered wood household furniture	858	260	90,473	3,189.3	70
2514	Metal household furniture	247	104	32,287	1,432.5	81
2515	Mattresses & bedsprings	445	78	33,887	1,649.8	54
2517	Wood TV & radio cabinets	35	20	11,968	373.9	94
2519	Household furniture n.e.c.	70	17	5,793	346.7	61
2521	Wood office furniture	120	39	14,017	714.2	75
2522	Metal office furniture	154	73	28,294	1,616.7	87
2531	Public-building & related furniture	231	73	26,027	880.8	73

1980 (S&MM Est.)

SIC	Industry	Number Of Plants Total Plants	 Large Plants	Employ-ment	Total Shipments ($Mil.)	% In Large Plants
2541	Wood partitions & fixtures	403	59	25,952	1,242.9	46
2542	Metal partitions & fixtures	294	78	25,961	1,512.2	64
2591	Drapery hardware & blinds & shades	132	26	13,683	675.9	70
2599	Furniture & fixtures n.e.c.	171	29	11,054	762.3	50
SIC 26	**Paper**					
2611	Pulp mills	59	36	21,611	3,053.0	95
2621	Paper mills, except building paper	348	247	141,295	18,588.7	97
2631	Paperboard mills	209	137	62,642	10,486.0	94
2641	Paper coating & glazing	308	107	44,669	4,260.5	80
2642	Envelopes	222	99	28,339	1,229.0	79
2643	Bags, except textile bags	395	154	52,280	4,366.0	78
2645	Die-cut paper & board	203	37	15,375	1,347.6	54
2646	Pressed & molded pulp goods	29	12	4,718	297.5	83
2647	Sanitary paper products	102	52	27,516	6,107.3	91
2648	Stationery products	73	42	11,662	828.8	87
2649	Converted paper products n.e.c.	396	96	39,154	1,917.6	66
2651	Folding paperboard boxes	501	184	52,866	2,857.5	73
2652	Set-up paperboard boxes	202	52	15,756	414.3	56
2653	Corrugated & solid fiber boxes	1,075	471	108,425	8,419.5	75
2654	Sanitary food containers	126	71	26,699	2,382.9	91
2655	Fiber cans, drums, & similar products	205	47	17,768	1,173.1	58
2661	Building-paper & building-board mills	98	48	16,743	604.7	87
SIC 27	**Printing & publishing**					
2711	Newspapers	2,435	620	315,126	16,084.3	76
2721	Periodicals	945	145	79,769	7,530.5	65
2731	Book publishing	506	180	81,393	6,100.5	83
2732	Book printing	156	53	27,388	2,091.3	83
2741	Miscellaneous publishing	377	99	37,576	2,266.1	69
2751	Letterpress commercial printing	2,738	366	192,993	5,465.8	51
2752	Lithographic commercial printing	1,811	316	124,655	11,772.5	52
2753	Engraving & plate printing	189	30	13,566	335.8	55
2754	Gravure commercial printing	39	21	6,872	1,299.2	91
2761	Manifold business forms	412	133	42,243	3,658.3	72
2771	Greeting-card publishing	89	37	22,991	1,385.4	91
2782	Blankbooks & looseleaf binders	238	77	23,494	1,309.3	70
2789	Bookbinding & related work	293	55	21,002	649.9	55
2791	Typesetting	328	35	17,872	860.1	36
2793	Photoengraving	174	20	9,227	268.8	33
2794	Electrotyping & stereotyping	20	4	1,137	14.3	52
2795	Lithographic platemaking services	48	3	2,251	829.6	26
SIC 28	**Chemicals**					
2812	Alkalies & chlorine	73	39	20,939	2,104.2	92
2813	Industrial gases	335	32	16,728	1,582.0	37
2816	Inorganic pigments	101	40	14,582	1,589.6	80
2819	Industrial inorganic chemicals n.e.c.	539	201	89,121	10,769.0	84
2821	Plastics materials & synthetic resins	472	201	91,610	13,713.8	87
2822	Synthetic rubber	62	41	26,246	2,405.2	97
2823	Cellulosic man-made fibers	22	14	20,410	1,335.0	98
2824	Noncellulosic synthetic organic fibers	60	47	68,450	8,498.1	99
2831	Biological products	83	30	12,275	1,308.9	82
2833	Medicinals & botanicals	100	32	23,052	2,953.6	87
2834	Pharmaceutical preparations	461	215	131,769	16,582.4	92
2841	Soap & other detergents	263	71	36,705	7,957.2	80
2842	Polishes & sanitation goods	525	104	42,894	4,391.1	61
2843	Surface-active agents	73	14	5,298	1,613.7	49
2844	Toilet preparations	260	126	57,523	9,225.7	91
2851	Paints & allied products	879	197	70,932	8,477.9	61
2861	Gum & wood chemicals	89	28	7,574	526.1	67
2865	Cyclic crudes & intermediates	188	73	29,332	6,781.5	82
2869	Industrial organic chemicals n.e.c.	449	182	99,921	30,158.4	89
2873	Nitrogenous fertilizers	220	55	20,427	3,317.9	66
2874	Phosphatic fertilizers	88	37	18,012	3,526.3	87
2875	Fertilizers - mixing only	272	23	13,467	2,475.9	29
2879	Agricultural chemicals n.e.c.	204	46	19,906	3,720.0	65
2891	Adhesives & sealants	310	70	26,416	2,620.4	62
2892	Explosives	62	27	14,099	882.9	89
2893	Printing ink	213	25	12,094	1,259.8	43
2895	Carbon black	34	10	3,313	619.2	61
2899	Chemical preparations n.e.c.	637	133	50,366	5,331.9	60

1980 (S&MM Est.)

SIC 29 Petroleum refining & coal products

SIC	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Employment	Total Shipments ($Mil.)	% In Large Plants
2911	Petroleum refining	334	175	94,726	156,406.4	92
2951	Paving mixtures & blocks	561	112	42,594	2,743.1	52
2952	Asphalt felts & coatings	198	65	19,283	3,737.8	69
2992	Lubricating oils & greases	260	45	16,616	3,002.3	48
2999	Petroleum & coal products n.e.c.	39	10	3,205	765.3	61

SIC 30 Rubber & misc. plastics

SIC	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Employment	Total Shipments ($Mil.)	% In Large Plants
3011	Tires & inner tubes	129	92	104,289	10,225.8	98
3021	Rubber & plastic footwear	48	39	22,468	589.2	98
3031	Reclaimed rubber	17	3	1,113	45.0	41
3041	Rubber & plastic hose & belting	164	81	32,097	1,565.8	89
3069	Fabricated rubber products n.e.c.	872	309	120,986	4,598.6	80
3079	Miscellaneous plastics products	4,547	1,206	407,102	25,632.4	65

SIC 31 Leather

SIC	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Employment	Total Shipments ($Mil.)	% In Large Plants
3111	Leather tanning & finishing	244	77	25,039	1,854.9	69
3131	Boot & shoe cut stock & findings	154	44	13,348	305.5	61
3142	House slippers	52	29	8,952	250.5	84
3143	Men's nonathletic footwear	170	139	55,179	2,182.9	97
3144	Women's nonathletic footwear	182	147	51,195	1,673.7	97
3149	Nonrubber footwear n.e.c.	215	157	53,930	737.5	95
3151	Leather gloves & mittens	77	21	6,645	223.3	63
3161	Luggage	116	36	15,314	801.6	78
3171	Women's handbags & purses	158	53	18,065	594.7	73
3172	Personal leather goods n.e.c.	127	34	13,147	441.9	69
3199	Leather goods n.e.c.	164	33	10,521	328.8	52

SIC 32 Stone, clay, glass & concrete

SIC	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Employment	Total Shipments ($Mil.)	% In Large Plants
3211	Flat glass	91	45	29,900	2,389.0	94
3221	Glass containers	138	115	65,929	2,803.6	98
3229	Pressed & blown glass n.e.c.	211	106	64,833	1,622.2	93
3231	Products of purchased glass	355	86	28,271	2,687.5	62
3241	Hydraulic cement	185	139	31,204	4,385.7	92
3251	Brick & structural clay tile	287	76	24,487	1,069.4	56
3253	Ceramic wall & floor tile	61	36	9,112	397.0	89
3255	Clay refractories	121	36	12,411	880.4	69
3259	Structural clay products n.e.c.	74	28	8,060	333.8	72
3261	Vitreous plumbing fixtures	49	38	11,189	631.1	96
3262	Vitreous china food utensils	21	14	7,739	258.9	97
3263	Fine-earthenware food utensils	14	9	3,606	136.3	93
3264	Porcelain electrical supplies	61	34	11,441	509.7	89
3269	Pottery products n.e.c.	144	28	11,006	372.5	55
3271	Concrete block & brick	705	48	31,939	1,647.4	22
3272	Concrete products n.e.c.	1,118	158	68,545	3,898.7	44
3273	Ready-mixed concrete	1,480	136	76,810	9,329.5	34
3274	Lime	146	35	12,467	737.7	60
3275	Gypsum products	91	56	11,701	1,500.0	84
3281	Cut stone & stone products	403	52	24,314	596.3	44
3291	Abrasive products	218	51	23,299	2,444.0	70
3292	Asbestos products	132	61	22,044	1,313.7	87
3293	Gaskets, packing, & sealing devices	230	71	31,135	1,941.0	80
3295	Ground or treated minerals & earths	530	78	34,300	1,309.2	47
3296	Mineral wool	113	46	19,211	2,713.1	87
3297	Nonclay refractories	100	47	15,242	1,006.9	84
3299	Nonmetallic mineral products n.e.c.	72	16	5,831	314.2	63

SIC 33 Primary metal

SIC	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Employment	Total Shipments ($Mil.)	% In Large Plants
3312	Blast furnaces & steel mills	341	210	348,881	50,563.5	98
3313	Electrometallurgical products	49	30	11,352	1,124.4	92
3315	Steel wire & related products	174	68	22,621	2,707.7	78
3316	Cold-rolled steel sheet, strip, & bars	189	87	34,953	3,265.6	87
3317	Steel pipe & tubes	223	112	50,476	3,200.4	89
3321	Gray-iron foundries	783	317	135,972	8,152.6	84
3322	Malleable-iron foundries	66	39	18,842	792.2	94
3324	Steel-investment foundries	71	23	8,071	517.6	81
3325	Steel foundries n.e.c.	315	165	62,968	2,597.5	89
3331	Primary copper	53	31	26,570	5,368.5	96
3332	Primary lead	28	11	4,372	1,049.4	83
3333	Primary zinc	21	11	3,659	810.0	88
3334	Primary aluminum	52	36	36,160	6,567.9	98
3339	Primary nonferrous metals n.e.c.	58	25	8,213	1,363.4	82
3341	Secondary nonferrous metals	250	74	24,925	4,959.4	69
3351	Copper rolling & drawing	116	76	30,080	5,653.0	93
3353	Aluminum sheet, plate, & foil	62	38	28,860	8,426.5	96
3354	Aluminum extruded products	145	73	23,166	2,897.6	85
3355	Aluminum rolling & drawing n.e.c.	79	34	15,780	1,407.5	87
3356	Nonferrous rolling & drawing n.e.c.	150	49	22,440	3,594.2	81
3357	Nonferrous-wire drawing & insulating	266	157	58,016	9,333.9	91
3361	Aluminum foundries	526	154	52,523	3,417.0	71
3362	Brass, bronze, & copper foundries	289	54	21,497	837.1	57
3369	Nonferrous foundries n.e.c.	288	86	36,908	1,146.3	76
3398	Metal heat treating	231	28	12,646	1,157.0	38
3399	Primary metal products n.e.c.	259	41	17,261	969.7	49

SIC 34 Fabricated metal

SIC	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Employment	Total Shipments ($Mil.)	% In Large Plants
3411	Metal cans	373	193	68,053	8,512.1	88
3412	Metal shipping barrels, drums, & pails	178	53	15,222	942.9	61
3421	Cutlery	79	39	14,723	880.7	88
3423	Hand & edge tools n.e.c.	391	123	51,313	2,725.6	79
3425	Hand saws & saw blades	80	28	8,694	449.8	77
3429	Hardware n.e.c.	644	196	88,361	6,295.8	79
3431	Metal sanitary ware	84	31	12,706	557.3	80
3432	Plumbing fittings & brass goods	163	85	27,433	1,291.3	88
3433	Heating equipment, except electric	384	130	47,379	1,840.2	78
3441	Fabricated structural metal	1,683	348	136,290	6,162.8	58
3442	Metal doors, sash, & trim	992	231	86,715	3,870.2	62
3443	Fabricated plate work (boiler shops)	1,132	320	139,024	8,842.2	75
3444	Sheet-metal work	1,909	264	117,696	5,765.2	44
3446	Architectural & ornamental metal work	302	38	18,928	1,129.6	43
3448	Prefabricated metal buildings	232	81	30,025	2,196.9	78
3449	Miscellaneous metal work	433	68	28,023	1,515.8	46
3451	Screw-machine products	890	96	46,671	2,105.6	35
3452	Bolts, nuts, rivets, & washers	545	180	68,281	3,930.1	78
3462	Iron & steel forgings	406	134	57,618	3,475.9	80
3463	Nonferrous forgings	41	23	9,777	586.2	93
3465	Automotive stampings	195	103	89,502	12,302.2	96
3466	Crowns & closures	46	24	9,101	731.3	88
3469	Metal stampings n.e.c.	1,309	305	109,753	5,631.1	62
3471	Plating & polishing	1,112	105	59,731	2,134.3	34
3479	Metal coating & allied services n.e.c.	556	80	36,135	1,956.7	49
3482	Small-arms ammunition	20	9	10,340	520.7	96
3483	Ammunition, except small-arms, n.e.c.	44	32	30,332	848.5	98
3484	Small arms	53	21	22,145	934.5	93
3489	Ordnance & accessories n.e.c.	44	26	22,431	820.1	97
3493	Steel springs, except wire	113	35	11,173	599.6	70
3494	Valves & pipe fittings	691	284	103,041	6,914.6	84
3495	Wire springs	189	51	16,770	1,017.0	68
3496	Miscellaneous fabricated wire products	719	188	66,416	1,804.0	66
3497	Metal foil & leaf	27	8	2,558	1,072.7	68
3498	Fabricated pipe & fittings	323	66	26,227	2,129.7	58
3499	Fabricated metal products n.e.c.	948	199	77,945	4,199.2	61

SIC 35 Nonelectrical machinery

SIC	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Employment	Total Shipments ($Mil.)	% In Large Plants
3511	Turbines & turbine-generator set units	57	39	38,613	3,721.9	95
3519	Internal-combustion engines n.e.c.	122	63	72,823	9,295.1	96
3523	Farm machinery & equipment	862	230	133,171	11,041.4	80
3524	Lawn & garden equipment	117	53	31,119	1,700.1	91
3531	Construction machinery	481	207	143,556	10,247.8	92
3532	Mining machinery	259	85	41,817	2,766.4	81
3533	Oil-field machinery	327	126	55,369	4,847.8	85
3534	Elevators & moving stairways	148	40	16,952	613.5	72
3535	Conveyors & conveying equipment	371	99	37,356	2,464.0	68

DEFINITIONS—**SIC**: 4-digit classification used by federal government. **Industry:** Classification by plant's primary product. A complete listing of full SIC industry titles and definitions is in the 1972 *Standard Industrial Classification Manual*, U.S. Government Printing Office, Washington, DC; price: $6.75. **Total Plants:** 20 + employees. **Large Plants:** 100 + employees. **Shipments:** Dollar value of all goods produced. **% In Large Plants:** Share of dollar shipments produced in plants with 100 + employees. This is a rounded number; if the share is 99.5% or more, it shows as 100%. **Employment:** Number of persons employed in plants with 20 + employees. **N.e.c.:** Not elsewhere classified.

1980 (S&MM Est.)

SIC	Industry	Number Of Plants		Employment	Total Shipments ($Mil.)	% In Large Plants
		Total Plants	Large Plants			
3536	Hoists, industrial cranes, & monorails	176	59	26,733	1,097.0	81
3537	Industrial trucks & tractors	294	96	51,155	2,497.2	82
3541	Metal-cutting machine tools	631	166	79,730	2,361.1	77
3542	Metal-forming machine tools	258	73	29,496	931.4	75
3544	Special dies, tools, jigs, & fixtures	2,253	215	116,692	3,086.8	36
3545	Machine-tool accessories	673	140	62,859	1,958.0	67
3546	Power-driven hand tools	80	46	27,549	1,000.3	94
3547	Rolling-mill machinery	48	25	9,685	418.3	91
3549	Metalworking machinery n.e.c.	207	55	22,072	750.8	71
3551	Food-products machinery	510	144	50,738	3,113.3	70
3552	Textile machinery	334	82	35,501	1,624.7	72
3553	Woodworking machinery	166	37	13,051	1,748.4	58
3554	Paper-industries machinery	143	46	18,524	1,366.0	77
3555	Printing-trades machinery	274	76	28,810	2,261.2	74
3559	Special-industry machinery n.e.c.	869	212	89,638	6,328.8	71
3561	Pumps & pumping equipment	446	167	68,275	3,367.5	83
3562	Ball & roller bearings	161	86	58,055	2,239.4	94
3563	Air & gas compressors	131	59	33,717	1,855.6	91
3564	Blowers & exhaust & ventilation fans	337	107	38,129	1,259.7	76
3565	Industrial patterns	153	9	6,371	260.2	17
3566	Speed changers, drives, & gears	149	58	24,247	1,018.2	83
3567	Industrial-process furnaces & ovens	231	60	23,007	644.3	69
3568	Power-transmission equipment n.e.c.	267	101	42,061	1,339.2	83
3569	General industrial machinery n.e.c.	699	177	70,663	2,179.8	68
3572	Typewriters	18	12	19,775	2,570.2	99
3573	Electronic computing equipment	531	290	225,868	24,176.3	95
3574	Calculating & accounting machines	60	32	20,471	1,558.6	94
3576	Scales & balances, except laboratory	71	24	10,336	597.0	82
3579	Office machines n.e.c.	161	67	30,484	2,245.9	87
3581	Automatic merchandising machines	58	25	10,390	677.4	85
3582	Commercial laundry equipment	68	16	5,775	376.7	61
3585	Refrigeration & heating equipment	534	226	124,486	17,310.3	89
3586	Measuring & dispensing pumps	24	11	3,514	626.2	85
3589	Service-industry machinery n.e.c.	355	96	37,198	2,996.0	71
3592	Carburetors, pistons, rings, & valves	87	36	28,207	2,425.5	92
3599	Machinery, except electrical, n.e.c.	3,081	248	162,157	10,997.2	36

SIC 36 Electrical & electronics

SIC	Industry	Total Plants	Large Plants	Employment	Total Shipments ($Mil.)	% In Large Plants
3612	Transformers	292	119	66,836	2,980.8	88
3613	Switchgear & switchboard apparatus	414	176	79,745	4,658.2	87
3621	Motors & generators	415	230	117,530	5,933.6	93
3622	Industrial controls	434	151	73,204	3,179.4	83
3623	Electric welding apparatus	139	50	21,411	1,577.4	83
3624	Carbon & graphite products	58	29	15,014	972.3	92
3629	Electrical industrial apparatus n.e.c.	154	47	17,971	874.0	75
3631	Household cooking equipment	76	50	32,288	1,985.1	97
3632	Household refrigerators & freezers	35	21	27,146	2,956.4	98
3633	Household laundry equipment	23	16	21,468	2,268.4	99
3634	Electric housewares & fans	187	120	50,572	3,285.6	95
3635	Household vacuum cleaners	25	14	10,821	837.8	96
3636	Sewing machines	37	11	7,689	391.3	86
3639	Household appliances n.e.c.	53	28	14,168	1,528.0	92
3641	Electric lamps	100	63	31,603	2,030.2	95
3643	Current-carrying wiring devices	365	174	62,743	2,009.6	86
3644	Non-current-carrying wiring devices	134	57	23,341	1,756.4	85
3645	Residential electric lighting fixtures	236	75	24,241	1,160.5	72
3646	Commercial electric lighting fixtures	135	47	16,893	1,113.4	77
3647	Vehicular lighting equipment	35	17	11,733	1,176.5	93
3648	Lighting equipment n.e.c.	181	62	20,578	837.6	72
3651	Radio & TV receiving sets	271	137	78,732	6,758.5	93
3652	Phonograph records & pre-recorded tape	123	33	18,836	1,444.4	79

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1980 (S&MM Est.)

SIC	Industry	Number Of Plants		Employment	Total Shipments ($Mil.)	% In Large Plants
		Total Plants	Large Plants			
3661	Telephone & telegraph apparatus	223	125	157,364	12,713.2	97
3662	Radio & TV communication equipment	1,104	468	271,418	23,510.2	90
3671	Receiving-type electron tubes	27	14	11,204	214.9	96
3672	Cathode-ray TV picture tubes	18	10	16,837	1,064.6	98
3673	Transmitting electron tubes	45	24	8,494	827.7	88
3674	Semiconductors & related devices	266	141	108,395	7,512.5	95
3675	Electronic capacitors	74	50	18,634	1,040.4	94
3676	Electronic resistors	56	33	14,919	795.4	92
3677	Electronic coils & transformers	180	68	18,303	698.7	73
3678	Electronic connectors	108	50	20,655	1,644.0	89
3679	Electronic components n.e.c.	1,499	546	220,835	7,585.5	81
3691	Storage batteries	145	85	31,596	2,450.7	92
3692	Dry & wet primary batteries	47	29	12,932	817.5	94
3693	X-ray apparatus & tubes	95	42	16,810	2,216.5	87
3694	Engine electrical equipment	204	93	75,347	4,476.3	94
3699	Electrical equipment & supplies n.e.c.	198	50	18,769	778.7	65

SIC 37 Transportation equipment

SIC	Industry	Total Plants	Large Plants	Employment	Total Shipments ($Mil.)	% In Large Plants
3711	Motor vehicles & passenger-car bodies	162	108	334,609	67,229.0	99
3713	Truck & bus bodies	414	117	74,815	3,003.7	84
3714	Motor-vehicle parts & accessories	1,244	602	422,756	31,531.3	93
3715	Truck trailers	228	78	29,166	1,643.4	79
3721	Aircraft	99	71	200,005	22,831.5	99
3724	Aircraft engines & engine parts	154	74	93,655	10,827.7	96
3728	Aircraft equipment n.e.c.	559	219	117,981	7,344.7	87
3731	Ship building & repairing	301	154	150,856	8,178.7	95
3732	Boat building & repairing	471	108	40,687	2,235.6	63
3743	Railroad equipment	185	90	67,701	5,847.0	93
3751	Motorcycles, bicycles, & parts	67	25	17,134	1,203.5	91
3761	Guided missiles & space vehicles	37	30	70,791	6,745.7	99
3764	Space-propulsion units & parts	11	8	5,091	1,059.4	98
3769	Space-vehicle equipment n.e.c.	36	22	10,971	924.5	95
3792	Travel trailers & campers	309	118	36,090	2,071.9	75
3795	Tanks & tank components	9	4	3,070	1,164.2	90
3799	Transportation equipment n.e.c.	120	28	11,814	745.9	68

SIC 38 Instruments

SIC	Industry	Total Plants	Large Plants	Employment	Total Shipments ($Mil.)	% In Large Plants
3811	Engineering & scientific instruments	472	157	57,717	2,755.4	78
3822	Environmental controls	166	66	39,172	1,820.4	89
3823	Industrial process-control instruments	283	80	44,208	2,363.3	81
3824	Fluid meters & counting devices	79	33	12,781	975.2	86
3825	Electricity-measuring instruments	383	169	72,858	3,893.8	87
3829	Measuring & controlling devices n.e.c.	317	112	38,786	1,686.5	78
3832	Optical instruments & lenses	245	63	30,706	1,976.8	76
3841	Surgical & medical instruments	299	126	49,063	2,576.5	84
3842	Surgical appliances & supplies	405	136	59,661	3,758.8	80
3843	Dental equipment & supplies	165	42	17,129	1,137.4	71
3851	Ophthalmic goods	294	90	34,670	747.5	76
3861	Photographic equipment & supplies	392	120	87,153	15,274.9	86
3873	Watches, clocks, & watchcases	107	53	29,633	1,262.1	93

SIC 39 Misc. manufacturing

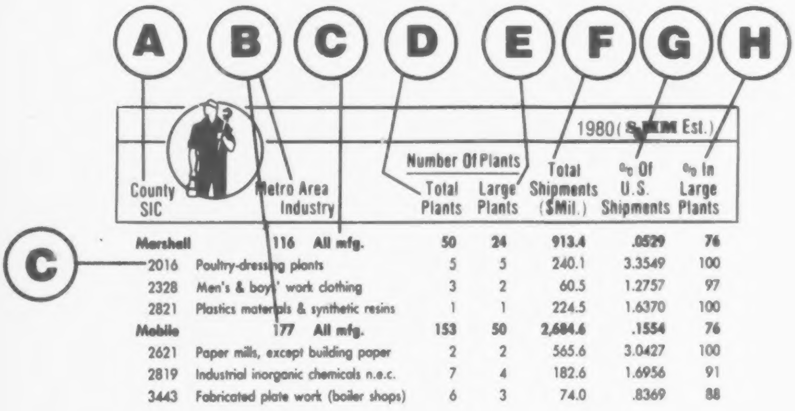
SIC	Industry	Total Plants	Large Plants	Employment	Total Shipments ($Mil.)	% In Large Plants
3911	Precious-metal jewelry	452	79	35,415	2,447.7	57
3914	Silverware & plated & stainless ware	91	28	12,926	483.3	82
3915	Jewelers' materials & lapidary work	87	11	6,926	847.2	54
3931	Musical instruments & parts	169	73	27,476	1,084.2	86
3942	Dolls & stuffed toy animals	90	27	7,839	342.4	64
3944	Games, toys, & children's vehicles	277	124	59,937	3,232.2	89
3949	Sporting & athletic goods n.e.c.	546	160	58,446	2,739.3	72
3951	Pens & mechanical pencils	89	35	14,036	726.9	83
3952	Lead pencils & art goods	68	23	7,513	316.2	74
3953	Marking devices	169	12	9,157	279.3	38
3955	Carbon paper & inked ribbons	60	20	5,527	399.6	68
3961	Costume jewelry	274	67	23,426	883.3	62
3962	Artificial flowers	92	10	5,856	211.5	39
3963	Buttons	65	10	3,490	113.7	38
3964	Needles, pins, & fasteners	140	50	18,747	788.8	78
3991	Brooms & brushes	216	57	21,584	776.3	68
3993	Signs & advertising displays	910	104	51,259	1,951.6	38
3995	Burial caskets	185	27	12,607	555.3	50
3996	Hard-surface floor coverings n.e.c.	19	11	9,250	638.5	96
3999	Manufactures n.e.c.	766	143	61,425	2,943.0	59

Alphabetical listing of S&MM's 300 metropolitan markets

Area Code	Metro Area Name
1	Abilene, Texas
2	Akron, Ohio
3	Albany, Ga.
4	Albany - Schenectady - Troy, N.Y.
5	Albuquerque, N.M.
6	Alexandria, La.
7	Allentown - Bethlehem - Easton, Pa.
8	Altoona, Pa.
9	Amarillo, Texas
10	Anaheim - Santa Ana - Garden Grove, Calif.
11	Anchorage, Alaska
12	Anderson, Ind.
13	△ Anderson, S.C.
14	Ann Arbor, Mich.
15	Anniston, Ala.
16	Appleton - Oshkosh, Wisc.
17	Asheville, N.C.
18	△ Athens, Ga.
19	Atlanta, Ga.
20	Atlantic City, N.J.
21	Augusta, Ga.
22	Austin, Texas
23	Bakersfield, Calif.
24	Baltimore, Md.
25	△ Bangor, Maine
26	Baton Rouge, La.
27	Battle Creek, Mich.
28	Bay City, Mich.
29	Beaumont - Port Arthur - Orange, Texas
30	△ Benton Harbor - St. Joseph, Mich.
31	Billings, Mont.
32	Biloxi - Gulfport, Miss.
33	Binghamton, N.Y.
34	Birmingham, Ala.
35	Bismarck, N.D.
36	Bloomington - Normal, Ill.
37	Bloomington, Ind.
38	Boise, Idaho
39	Boston - Lowell - Brockton - Lawrence - Haverhill, Mass.
40	Bradenton, Fla.
41	△ Bremerton, Wash.
42	Bridgeport - Stamford - Norwalk - Danbury, Conn.
43	Brownsville - Harlingen - San Benito, Texas
44	Bryan - College Station, Texas
45	Buffalo, N.Y.
46	Burlington, N.C.
47	△ Burlington, Vt.
48	Canton, Ohio
49	Cedar Rapids, Iowa
50	Champaign - Urbana - Rantoul, Ill.
51	Charleston - North Charleston, S.C.
52	Charleston, W.Va.
53	Charlotte - Gastonia, N.C.
54	Chattanooga, Tenn.
55	△ Cheyenne, Wyo.
56	Chicago, Ill.
57	Cincinnati, Ohio
58	Clarksville - Hopkinsville, Tenn.-Ky.
59	Cleveland, Ohio
60	Colorado Springs, Colo.
61	Columbia, Mo.
62	Columbia, S.C.
63	Columbus, Ga.
64	Columbus, Ohio
65	Corpus Christi, Texas
66	Dallas - Fort Worth, Texas
67	△ Danville, Ill.
68	△ Danville, Va.
69	Davenport - Rock Island - Moline, Iowa-Ill.
70	Dayton, Ohio
71	Daytona Beach, Fla.
72	Decatur, Ill.
73	Denver - Boulder, Colo.
74	Des Moines, Iowa
75	Detroit, Mich.
76	Dubuque, Iowa
77	Duluth - Superior, Minn.-Wisc.
78	Eau Claire, Wisc.
79	Elkhart, Ind.
80	Elmira, N.Y.
81	El Paso, Texas
82	Enid, Okla.
83	Erie, Pa.
84	Eugene - Springfield, Ore.
85	Evansville, Ind.
86	Fargo - Moorhead, N.D.-Minn.
87	Fayetteville - Springdale, Ark.
88	Fayetteville, N.C.
89	Flint, Mich.
90	Florence, Ala.
91	Fort Collins, Colo.
92	Fort Lauderdale - Hollywood, Fla.
93	Fort Myers - Cape Coral, Fla.
94	Fort Smith, Ark.
95	Fort Wayne, Ind.
96	Fresno, Calif.
97	Gadsden, Ala.
98	Gainesville, Fla.
99	Galveston - Texas City, Texas
100	Gary - Hammond - East Chicago, Ind.
101	Grand Forks, N.D.
102	Grand Rapids, Mich.
103	Great Falls, Mont.
104	Greeley, Colo.
105	Green Bay, Wisc.
106	Greensboro - Winston-Salem - High Point, N.C.
107	Greenville - Spartanburg, S.C.
108	△ Hagerstown, Md.
109	Hamilton - Middletown, Ohio
110	Harrisburg, Pa.
111	Hartford - New Britain - Bristol, Conn.
112	△ Hattiesburg, Miss.
113	Honolulu, Hawaii
114	Houston, Texas
115	Huntington - Ashland, W.Va.-Ky.
116	Huntsville, Ala.
117	Indianapolis, Ind.
118	Iowa City, Iowa
119	Jackson, Mich.
120	Jackson, Miss.
121	△ Jackson, Tenn.
122	Jacksonville, Fla.
123	△ Jamestown, N.Y.
124	Janesville - Beloit, Wisc.
125	Jersey City, N.J.
126	Johnson City - Kingsport - Bristol, Tenn.
127	Johnstown, Pa.
128	△ Joplin, Mo.
129	Kalamazoo - Portage, Mich.
130	Kankakee, Ill.
131	△ Kannapolis - Concord - Salisbury, N.C.
132	Kansas City, Mo.
133	Kenosha, Wisc.
134	Killeen - Temple, Texas
135	Knoxville, Tenn.
136	Kokomo, Ind.
137	La Crosse, Wisc.
138	Lafayette - West Lafayette, Ind.
139	Lafayette, La.
140	Lake Charles, La.
141	Lakeland - Winter Haven, Fla.
142	Lancaster, Pa.
143	Lansing - East Lansing, Mich.
144	Laredo, Texas
145	Las Cruces, N.M.
146	Las Vegas, Nev.
147	Lawrence, Kansas
148	Lawton, Okla.
149	Lewiston - Auburn, Maine
150	Lexington-Fayette, Ky.
151	Lima, Ohio
152	Lincoln, Neb.
153	Little Rock - North Little Rock, Ark.
154	Long Branch - Asbury Park, N.J.
155	Longview - Marshall, Texas
156	Lorain - Elyric, Ohio
157	Los Angeles - Long Beach, Calif.
158	Louisville, Ky.
159	Lubbock, Texas
160	Lynchburg, Va.
161	McAllen - Pharr - Edinburg, Texas
162	Macon, Ga.
163	Madison, Wisc.
164	Manchester - Nashua, N.H.
165	△ Manitowoc - Two Rivers, Wisc.
166	Mansfield, Ohio
167	△ Marion, Ind.
168	Melbourne - Titusville - Cocoa, Fla.
169	Memphis, Tenn.
170	△ Meridian, Miss.
171	Miami, Fla.
172	△ Michigan City - La Porte, Ind.
173	Midland, Texas
174	Milwaukee, Wisc.
175	Minneapolis - St. Paul, Minn.
176	△ Missoula, Mont.
177	Mobile, Ala.
178	Modesto, Calif.
179	Monroe, La.
180	Montgomery, Ala.
181	Muncie, Ind.
182	Muskegon - Norton Shores - Muskegon Heights, Mich.
183	Nashville-Davidson, Tenn.
184	Nassau - Suffolk, N.Y.
185	Newark, N.J.
186	△ Newark, Ohio
187	New Bedford - Fall River, Mass.
188	New Brunswick - Perth Amboy - Sayreville, N.J.
189	△ Newburgh - Middletown, N.Y.
190	New Haven - West Haven - Waterbury - Meriden, Conn.
191	New London - Norwich, Conn.
192	New Orleans, La.
193	Newport News - Hampton, Va.
194	New York, N.Y.
195	Norfolk - Virginia Beach - Portsmouth, Va.
196	Northeast Pennsylvania
197	Odessa, Texas
198	Oklahoma City, Okla.
199	△ Olympia, Wash.
200	Omaha, Neb.
201	Orlando, Fla.
202	Owensboro, Ky.
203	Oxnard - Simi Valley - Ventura, Calif.
204	Panama City, Fla.
205	Parkersburg - Marietta, W.Va.-Ohio
206	Pascagoula - Moss Point, Miss.
207	Paterson - Clifton - Passaic, N.J.
208	Pensacola, Fla.
209	Peoria, Ill.
210	Petersburg - Colonial Heights - Hopewell, Va.
211	Philadelphia, Pa.
212	Phoenix, Ariz.
213	Pine Bluff, Ark.
214	Pittsburgh, Pa.
215	Pittsfield, Mass.
216	△ Pocatello, Idaho
217	Portland, Maine
218	Portland, Ore.
219	Poughkeepsie, N.Y.
220	Providence - Warwick - Pawtucket, R.I.
221	Provo - Orem, Utah
222	Pueblo, Colo.
223	△ Quincy, Ill.
224	Racine, Wisc.
225	Raleigh - Durham, N.C.
226	Rapid City, S.D.
227	Reading, Pa.
228	Reno, Nev.
229	Richland - Kennewick - Pasco, Wash.
230	Richmond, Va.
231	Riverside - San Bernardino - Ontario, Calif.
232	Roanoke, Va.
233	Rochester, Minn.
234	Rochester, N.Y.
235	Rockford, Ill.
236	Sacramento, Calif.
237	Saginaw, Mich.
238	St. Cloud, Minn.
239	St. Joseph, Mo.
240	St. Louis, Mo.
241	Salem, Ore.
242	Salinas - Seaside - Monterey, Calif.
243	Salt Lake City - Ogden, Utah
244	San Angelo, Texas
245	San Antonio, Texas
246	San Diego, Calif.
247	San Francisco - Oakland, Calif.
248	San Jose, Calif.
249	Santa Barbara - Santa Maria - Lompoc, Calif.
250	Santa Cruz, Calif.
251	△ Santa Fe, N.M.
252	Santa Rosa, Calif.
253	Sarasota, Fla.
254	Savannah, Ga.
255	Seattle - Everett, Wash.
256	△ Sheboygan, Wisc.
257	Sherman - Denison, Texas
258	Shreveport, La.
259	Sioux City, Iowa
260	Sioux Falls, S.D.
261	South Bend, Ind.
262	Spokane, Wash.
263	Springfield, Ill.
264	Springfield - Chicopee - Holyoke, Mass.
265	Springfield, Mo.
266	Springfield, Ohio
267	Steubenville - Weirton, Ohio-W.Va.
268	Stockton, Calif.
269	Syracuse, N.Y.
270	Tacoma, Wash.
271	Tallahassee, Fla.
272	Tampa - St. Petersburg, Fla.
273	Terre Haute, Ind.
274	Texarkana, Texas-Ark.
275	Toledo, Ohio
276	Topeka, Kansas
277	Trenton, N.J.
278	Tucson, Ariz.
279	Tulsa, Okla.
280	Tuscaloosa, Ala.
281	Tyler, Texas
282	Utica - Rome, N.Y.
283	Vallejo - Fairfield - Napa, Calif.
284	△ Victoria, Texas
285	Vineland - Millville - Bridgeton, N.J.
286	Waco, Texas
287	Washington, D.C.
288	Waterloo - Cedar Falls, Iowa
289	△ Wausau, Wisc.
290	West Palm Beach - Boca Raton, Fla.
291	Wheeling, W.Va.
292	Wichita, Kansas
293	Wichita Falls, Texas
294	Williamsport, Pa.
295	Wilmington, Del.
296	Wilmington, N.C.
297	Worcester - Fitchburg - Leominster, Mass.
298	Yakima, Wash.
299	York, Pa.
300	Youngstown - Warren, Ohio

ΔPotential metropolitan area according to S&MM's definition.

Guide to using S&MM's Survey of Industrial Purchasing Power



County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	1980 (S&MM Est.) Total Shipments ($Mil.)	1980 (S&MM Est.) % Of U.S. Shipments	1980 (S&MM Est.) % In Large Plants
Marshall	**116**	**All mfg.**	**50**	**24**	**913.4**	**.0529**	**76**
2016		Poultry-dressing plants	5	5	240.1	3.3549	100
2328		Men's & boys' work clothing	3	2	60.5	1.2757	97
2821		Plastics materials & synthetic resins	1	1	224.5	1.6370	100
Mobile	**177**	**All mfg.**	**153**	**50**	**2,684.6**	**.1554**	**76**
2621		Paper mills, except building paper	2	2	565.6	3.0427	100
2819		Industrial inorganic chemicals n.e.c.	7	4	182.6	1.6956	91
3443		Fabricated plate work (boiler shops)	6	3	74.0	.8369	88

Ⓐ All the 2,834 counties with at least one manufacturing establishment of 20 or more employees are included, listed alphabetically by state. In each county, individual industries whose establishments have an aggregate employment of 1,000 or more are listed. These industries are at the 4-digit level of the Standard Industrial Classification (SIC) system used by the federal government. See page 26 for a discussion of SIC. CAUTION: The county "All mfg." totals will add up to the U.S. total. However, the 4-digit SIC industry totals will not add up to the U.S. totals shown in the industry section starting on page 30, because an industry will not appear if its county employment is under 1,000.

Ⓑ When a county is a part of a metropolitan area, we indicate it with a numerical code that refers to the 300 S&MM-designated metropolitan markets. To find out in which metropolitan area a county is included, consult the alphabetical listing of metro markets on page 35.

Ⓒ The "All mfg." line that appears in boldface type refers to the overall totals for all the manufacturing plants in the county with 20 or more employees. The names of the 4-digit SIC industries appear in lightface type. A complete listing of all SIC-coded industry titles is in the 1972 *Standard Industrial Classification Manual* (U.S. Government Printing Office, Washington, DC 20402; price: $6.75). A 1977 *Supplement*, embodying minor revisions, is available from the same source for 90¢. However, the *Survey* has a few more 4-digit industries than shown in the *Manual* because we have retained certain industries that were merged by the government into catchall groups.

Ⓓ This is the total number of manufacturing plants with at least 20 employees.

Ⓔ Because of the economies of scale, large plants (100 or more employees) account for a greater share of a county's manufacturing activity than is indicated by their numbers. Hence, a separate total of such establishments is provided. They can be considered key selling prospects.

Ⓕ This is the dollar value of all goods produced by the manufacturing type establishments. It is a reliable indicator of the county's buying potential because, overall, 58% of the dollar amount is expended on equipment, supplies, and materials (an additional 4% goes for new capital expenditures). However, the ratio will differ from industry to industry; an industry's particular ratio can be obtained from the 1977 *Census of Manufactures* report, *Selected Statistics for Industry Groups and Industries: 1977 and 1972*, MC77-S-1(P), available from Subscriber Services (Publications), Bureau of the Census, Washington, DC 20233, for 35¢. The shipments figure includes interplant shipments between establishments of a common ownership; however, they make up a very small share of the overall total. Also, where a 4-digit SIC industry is concerned, if a plant produces goods that fall into more than one classification, all its output is credited to the "primary" industry that describes the largest share of its output.

Ⓖ The county's "All mfg." share of U.S. shipments indicates its importance relative to other counties. The comparable ratio is provided for 4-digit industries, making it easier for the marketing executive to determine those counties that are the most important markets for his products. However, bear in mind that the percentage figure in boldface type pertains to a county's share of total U.S. shipments, the percentage figure in lightface type to the county's share of the U.S. total of a particular industry. Thus, within a county, the lightface percentages will not add up to the boldface percentage figure.

Ⓗ The portion of a county's manufacturing output produced by the large plants will suggest the necessary level of sales coverage. Normally, the higher the percentage figure, the fewer salespeople required.

1981 Survey county-by-county totals

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
ALABAMA							
Autauga	**180**	**All mfg.**	9	5	192.3	.0111	97
Baldwin	**177**	**All mfg.**	34	9	234.6	.0136	60
Barbour		**All mfg.**	26	11	150.0	.0087	68
Bibb		**All mfg.**	14	5	76.5	.0044	71
Blount		**All mfg.**	8	4	77.5	.0045	83
Bullock		**All mfg.**	5	5	70.5	.0041	100
Butler		**All mfg.**	23	11	208.6	.0121	67
Calhoun	**15**	**All mfg.**	65	28	633.2	.0366	81
2281		Yarn-spinning mills, except wool	3	3	57.0	1.2904	100
Chambers		**All mfg.**	15	11	349.8	.0202	97
2211		Cotton-weaving mills	6	6	182.8	3.4857	100
Cherokee		**All mfg.**	9	5	48.5	.0028	79
Chilton		**All mfg.**	9	5	59.0	.0034	80
Choctaw		**All mfg.**	10	5	363.8	.0211	97
Clarke		**All mfg.**	16	8	250.7	.0145	68
Clay		**All mfg.**	13	7	132.4	.0077	68
Cleburne		**All mfg.**	6	4	57.4	.0033	95
Coffee		**All mfg.**	22	9	203.1	.0118	73
Colbert	**90**	**All mfg.**	42	15	1,731.0	.1002	96
3334		Primary aluminum	1	1	245.2	3.7333	100
3353		Aluminum sheet, plate, & foil	1	1	1,021.9	12.1272	100
3361		Aluminum foundries	2	2	99.5	2.9119	100
Conecuh		**All mfg.**	7	3	48.8	.0028	71
Coosa		**All mfg.**	9	3	49.8	.0029	51
Covington		**All mfg.**	25	13	268.2	.0155	83
2321		Men's & boys' shirts & nightwear	3	3	58.8	1.5953	100
Crenshaw		**All mfg.**	12	3	98.8	.0057	69
Cullman		**All mfg.**	28	15	374.8	.0217	87
Dale		**All mfg.**	17	6	295.1	.0171	80
3011		Tires & inner tubes	1	1	147.1	1.4385	100
Dallas		**All mfg.**	37	16	468.6	.0271	79
De Kalb		**All mfg.**	44	19	208.5	.0121	79
2252		Hosiery n.e.c.	16	4	34.1	3.3540	52
Elmore	**180**	**All mfg.**	11	5	133.2	.0077	83
2211		Cotton-weaving mills	2	2	62.8	1.1975	100
Escambia		**All mfg.**	19	8	332.5	.0192	83
Etowah	**97**	**All mfg.**	55	22	821.6	.0476	86
3312		Blast furnaces & steel mills	1	1	376.9	.7454	100
Fayette		**All mfg.**	18	8	164.3	.0095	77
Franklin		**All mfg.**	19	10	131.9	.0076	73
Geneva		**All mfg.**	16	9	98.1	.0057	79
2321		Men's & boys' shirts & nightwear	6	6	41.6	1.1287	100
Greene		**All mfg.**	2	1	9.7	.0006	70
Hale		**All mfg.**	11	1	58.1	.0034	38
Henry		**All mfg.**	16	4	137.3	.0079	39
Houston		**All mfg.**	42	23	479.2	.0277	85
3069		Fabricated rubber products n.e.c.	1	1	38.0	.8263	100
Jackson		**All mfg.**	30	15	431.0	.0249	89
Jefferson	**34**	**All mfg.**	420	140	4,639.6	.2685	78
2086		Bottled & canned soft drinks	6	5	125.6	.9694	98
2099		Food preparations n.e.c.	9	2	114.7	1.4247	70
2752		Lithographic commercial printing	18	3	131.4	1.1162	48
3241		Hydraulic cement	4	4	182.8	4.1681	100
3312		Blast furnaces & steel mills	9	9	619.5	1.2252	100
3321		Gray-iron foundries	14	7	310.7	3.8111	94
3325		Steel foundries n.e.c.	9	4	46.1	1.7748	79
3441		Fabricated structural metal	15	4	92.4	1.4993	68
3443		Fabricated plate work (boiler shops)	16	7	123.3	1.3944	77
3494		Valves & pipe fittings	5	3	196.2	2.8375	96
3721		Aircraft	1	1	114.1	.4997	100
3743		Railroad equipment	3	1	201.2	3.4411	97
Lamar		**All mfg.**	12	9	85.7	.0050	84
2327		Men's & boys' separate trousers	5	5	28.9	1.3259	100
Lauderdale	**90**	**All mfg.**	29	16	612.7	.0355	93
3011		Tires & inner tubes	1	1	343.1	3.3552	100
Lawrence		**All mfg.**	5	5	152.1	.0088	100
Lee		**All mfg.**	34	10	504.8	.0292	83
2211		Cotton-weaving mills	2	2	49.6	.9458	100
3011		Tires & inner tubes	1	1	171.6	1.6781	100
Limestone	**116**	**All mfg.**	14	11	163.1	.0094	93
Lowndes		**All mfg.**	6	2	32.5	.0019	54
Macon		**All mfg.**	2	2	374.3	.0217	100
Madison	**116**	**All mfg.**	106	40	1,695.2	.0981	86
2211		Cotton-weaving mills	1	1	38.6	.7360	100
3443		Fabricated plate work (boiler shops)	3	3	93.8	1.0608	100
3661		Telephone & telegraph apparatus	3	1	250.8	1.9728	97

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

ALABAMA (Madison, cont.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
3662		Radio & TV communication equipment	6	4	141.7	.6027	93
3679		Electronic components n.e.c.	4	2	73.2	.9650	92
Marengo		**All mfg.**	**15**	**3**	**169.1**	**.0098**	**68**
Marion		**All mfg.**	**20**	**12**	**234.6**	**.0136**	**89**
Marshall	**116**	**All mfg.**	**50**	**24**	**913.4**	**.0529**	**76**
2016		Poultry-dressing plants	5	5	240.1	3.3549	100
2328		Men's & boys' work clothing	3	2	60.5	1.2757	97
2821		Plastics materials & synthetic resins	1	1	224.5	1.6370	100
Mobile	**177**	**All mfg.**	**153**	**50**	**2,684.6**	**.1554**	**76**
2621		Paper mills, except building paper	2	2	565.6	3.0427	100
2819		Industrial inorganic chemicals n.e.c.	7	4	182.6	1.6956	91
3443		Fabricated plate work (boiler shops)	6	3	74.0	.8369	88
3731		Ship building & repairing	7	2	167.8	2.0517	91
Monroe		**All mfg.**	**14**	**7**	**236.0**	**.0137**	**82**
Montgomery	**180**	**All mfg.**	**109**	**50**	**1,117.6**	**.0647**	**80**
Morgan		**All mfg.**	**64**	**22**	**1,545.2**	**.0894**	**88**
2821		Plastics materials & synthetic resins	1	1	187.2	1.3650	100
2824		Noncellulosic synthetic organic fibers	1	1	265.5	3.1242	100
Perry		**All mfg.**	**3**	**1**	**33.8**	**.0020**	**49**
Pickens		**All mfg.**	**13**	**5**	**118.3**	**.0068**	**75**
Pike		**All mfg.**	**25**	**7**	**193.5**	**.0112**	**36**
Randolph		**All mfg.**	**13**	**7**	**93.9**	**.0054**	**74**
Russell	**63**	**All mfg.**	**19**	**6**	**186.4**	**.0108**	**74**
2211		Cotton-weaving mills	3	3	48.4	.9229	100
St. Clair	**34**	**All mfg.**	**21**	**6**	**127.7**	**.0074**	**55**
Shelby	**34**	**All mfg.**	**49**	**11**	**252.2**	**.0146**	**55**
Sumter		**All mfg.**	**14**	**6**	**119.6**	**.0069**	**75**
Talladega		**All mfg.**	**43**	**19**	**572.4**	**.0331**	**86**
2281		Yarn-spinning mills, except wool	6	6	77.3	1.7500	100
2611		Pulp mills	1	1	187.7	6.1481	100
Tallapoosa		**All mfg.**	**26**	**13**	**254.3**	**.0147**	**76**
2211		Cotton-weaving mills	4	4	59.5	1.1346	100
Tuscaloosa	**280**	**All mfg.**	**57**	**16**	**879.2**	**.0509**	**79**
3011		Tires & inner tubes	1	1	196.1	1.9177	100
3321		Gray-iron foundries	1	1	75.0	.9200	100
Walker	**34**	**All mfg.**	**26**	**6**	**142.7**	**.0083**	**56**
Washington		**All mfg.**	**7**	**4**	**309.5**	**.0179**	**97**
2879		Agricultural chemicals n.e.c.	1	1	233.8	6.2849	100
Wilcox		**All mfg.**	**13**	**2**	**255.3**	**.0148**	**80**
2621		Paper mills, except building paper	1	1	197.4	1.0619	100
Winston		**All mfg.**	**38**	**11**	**188.7**	**.0109**	**55**
State Total		**All mfg.**	**2,164**	**854**	**28,336.4**	**1.6400**	**81**

ARIZONA

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Apache		**All mfg.**	**5**	**3**	**82.3**	**.0048**	**91**
Cochise		**All mfg.**	**15**	**6**	**156.0**	**.0090**	**83**
Coconino		**All mfg.**	**15**	**3**	**114.6**	**.0066**	**59**
Gila		**All mfg.**	**6**	**3**	**741.6**	**.0429**	**98**
3331		Primary copper	4	3	737.6	13.7394	99
Graham		**All mfg.**	**2**		**5.1**	**.0003**	**0**
Greenlee		**All mfg.**	**1**	**1**	**404.1**	**.0234**	**100**
3331		Primary copper	1	1	404.1	7.5272	100
Maricopa	**212**	**All mfg.**	**600**	**139**	**7,773.4**	**.4499**	**82**
2011		Meat-packing plants	14	3	293.4	.7562	62
2341		Women's & children's underwear	4	4	28.9	1.2699	100
2711		Newspapers	9	4	102.5	.6373	92
3069		Fabricated rubber products n.e.c.	2	1	47.1	1.0242	97
3079		Miscellaneous plastics products	12	2	72.6	.2832	66
3272		Concrete products n.e.c.	8	4	63.2	1.6211	86
3357		Nonferrous-wire drawing & insulating	2	2	177.0	1.8963	100
3441		Fabricated structural metal	19	4	83.2	1.3500	75
3573		Electronic computing equipment	12	6	1,008.7	4.1723	97
3585		Refrigeration & heating equipment	4	2	162.4	.9382	92
3599		Machinery, except electrical, n.e.c.	20	2	72.1	.6556	42
3661		Telephone & telegraph apparatus	4	1	168.5	1.3254	91
3662		Radio & TV communication equipment	10	4	529.2	2.2509	96
3674		Semiconductors & related devices	10	8	1,055.4	14.0486	99
3713		Truck & bus bodies	2	1	61.3	2.0408	98
3724		Aircraft engines & engine parts	2	1	704.0	6.5018	99
3728		Aircraft equipment n.e.c.	20	8	397.3	5.4093	93
Mohave		**All mfg.**	**12**	**1**	**75.6**	**.0044**	**45**
3549		Metalworking machinery n.e.c.	1	1	34.0	4.5285	100
Navajo		**All mfg.**	**11**	**2**	**137.8**	**.0080**	**61**
Pima	**278**	**All mfg.**	**107**	**20**	**1,460.6**	**.0845**	**86**
3331		Primary copper	2	1	212.1	3.9508	98
3573		Electronic computing equipment	2	2	354.8	1.4676	100
3674		Semiconductors & related devices	1	1	71.9	.9571	100
3761		Guided missiles & space vehicles	1	1	333.6	4.9454	100
Pinal		**All mfg.**	**19**	**6**	**1,027.6**	**.0595**	**94**
3331		Primary copper	2	2	949.7	17.6902	100
Santa Cruz		**All mfg.**	**10**	**6**	**53.2**	**.0031**	**80**
Yavapai		**All mfg.**	**9**	**1**	**44.7**	**.0026**	**51**
Yuma		**All mfg.**	**13**	**1**	**49.4**	**.0029**	**11**
State Total		**All mfg.**	**825**	**192**	**12,126.0**	**.7018**	**84**

ARKANSAS

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Arkansas		**All mfg.**	**25**	**7**	**321.8**	**.0186**	**81**
Ashley		**All mfg.**	**25**	**8**	**350.7**	**.0203**	**80**
2621		Paper mills, except building paper	1	1	197.4	1.0619	100
Baxter		**All mfg.**	**12**	**5**	**360.6**	**.0209**	**95**
2834		Pharmaceutical preparations	1	1	314.6	1.8972	100
Benton	**87**	**All mfg.**	**63**	**27**	**693.1**	**.0401**	**82**
2016		Poultry-dressing plants	3	2	102.3	1.4294	97
3041		Rubber & plastic hose & belting	2	2	48.8	3.1166	100
3621		Motors & generators	2	2	108.6	1.8303	100
Boone		**All mfg.**	**28**	**5**	**110.2**	**.0064**	**50**
Bradley		**All mfg.**	**10**	**8**	**118.1**	**.0068**	**94**
Calhoun		**All mfg.**	**2**		**3.3**	**.0002**	**0**
Carroll		**All mfg.**	**11**	**4**	**96.6**	**.0056**	**80**
Chicot		**All mfg.**	**7**	**4**	**46.3**	**.0027**	**75**
Clark		**All mfg.**	**14**	**5**	**153.9**	**.0089**	**83**
Clay		**All mfg.**	**16**	**6**	**65.6**	**.0038**	**56**
Cleburne		**All mfg.**	**12**	**2**	**50.1**	**.0029**	**57**
Cleveland		**All mfg.**	**4**		**38.8**	**.0022**	**0**
Columbia		**All mfg.**	**26**	**9**	**237.0**	**.0137**	**75**
Conway		**All mfg.**	**13**	**5**	**156.0**	**.0090**	**78**
Craighead		**All mfg.**	**47**	**24**	**500.4**	**.0290**	**85**
3144		Women's nonathletic footwear	2	2	62.1	3.7103	100
Crawford	**94**	**All mfg.**	**24**	**6**	**166.9**	**.0097**	**41**
Crittenden	**169**	**All mfg.**	**33**	**5**	**224.9**	**.0130**	**39**
Cross		**All mfg.**	**7**	**3**	**107.8**	**.0062**	**90**
Dallas		**All mfg.**	**19**	**6**	**120.8**	**.0070**	**74**
Desha		**All mfg.**	**12**	**7**	**133.2**	**.0077**	**84**
Drew		**All mfg.**	**10**	**4**	**263.5**	**.0153**	**91**
2272		Tufted carpets & rugs	1	1	190.0	3.7280	100
Faulkner		**All mfg.**	**33**	**10**	**319.7**	**.0185**	**80**
Franklin		**All mfg.**	**12**	**3**	**80.2**	**.0046**	**74**
Fulton		**All mfg.**	**2**	**1**	**13.5**	**.0008**	**88**
Garland		**All mfg.**	**43**	**9**	**580.4**	**.0336**	**76**
2421		General sawmills & planing mills	3	1	211.3	1.6954	95
3143		Men's nonathletic footwear	1	1	69.2	3.1701	100
Grant		**All mfg.**	**9**	**4**	**60.6**	**.0035**	**87**
Greene		**All mfg.**	**14**	**6**	**240.7**	**.0139**	**91**
3621		Motors & generators	1	1	106.0	1.7864	100
Hempstead		**All mfg.**	**22**	**6**	**147.1**	**.0085**	**68**
Hot Spring		**All mfg.**	**22**	**9**	**238.6**	**.0138**	**88**
3624		Carbon & graphite products	1	1	113.4	11.6631	100
Howard		**All mfg.**	**15**	**8**	**278.1**	**.0161**	**87**
2421		General sawmills & planing mills	2	2	132.0	1.0591	100

DEFINITIONS—**SIC Industry**: Classification by plant's primary product. **N.e.c.**: Not elsewhere classified. **Metro Area Code**: Metro market that county belongs to; **see list, page 35**. **Total Plants**: 20+ employees. **Large Plants**: 100+ employees. **All mfg.**: Totals for all plants with 20+ employees in the county. **Shipments**: Dollar value of all goods produced. **% Of U.S.**: Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants**: Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

County SIC	Metro Area	Industry	Number Of Plants Total Plants	 Large Plants	1980 (S&MM Est.) Total Shipments ($Mil.)	 % Of U.S. Shipments	 % In Large Plants
Independence		**All mfg.**	**25**	**11**	**355.8**	**.0206**	**85**
Izard		**All mfg.**	**5**	**1**	**14.6**	**.0008**	**32**
Jackson		**All mfg.**	**16**	**6**	**127.3**	**.0074**	**72**
Jefferson	**213**	**All mfg.**	**49**	**25**	**767.7**	**.0444**	**90**
2631		Paperboard mills	2	2	335.0	3.1947	100
3483		Ammunition, except small-arms, n.e.c.	1	1	49.0	5.7749	100
Johnson		**All mfg.**	**20**	**6**	**142.3**	**.0082**	**76**
Lafayette		**All mfg.**	**7**	**3**	**44.4**	**.0026**	**67**
Lawrence		**All mfg.**	**12**	**4**	**60.8**	**.0035**	**75**
Lee		**All mfg.**	**4**	**2**	**21.2**	**.0012**	**70**
Lincoln		**All mfg.**	**3**	**1**	**12.7**	**.0007**	**66**
Little River	**274**	**All mfg.**	**6**	**4**	**217.1**	**.0126**	**97**
2611		Pulp mills	1	1	141.3	4.6282	100
Logan		**All mfg.**	**14**	**6**	**83.6**	**.0048**	**55**
Lonoke		**All mfg.**	**16**	**8**	**183.2**	**.0106**	**80**
3482		Small-arms ammunition	1	1	88.1	16.9195	100
Madison		**All mfg.**	**3**	**2**	**32.6**	**.0019**	**94**
Marion		**All mfg.**	**5**	**3**	**37.5**	**.0022**	**83**
Miller	**274**	**All mfg.**	**15**	**4**	**139.9**	**.0081**	**80**
Mississippi		**All mfg.**	**47**	**16**	**632.1**	**.0366**	**58**
2771		Greeting-card publishing	1	1	89.1	6.4314	100
Monroe		**All mfg.**	**6**	**4**	**26.7**	**.0015**	**87**
Montgomery		**All mfg.**	**5**	**2**	**25.7**	**.0015**	**65**
Nevada		**All mfg.**	**6**	**2**	**43.8**	**.0025**	**71**
Ouachita		**All mfg.**	**40**	**10**	**553.7**	**.0320**	**59**
Perry		**All mfg.**	**3**		**18.5**	**.0011**	**0**
Phillips		**All mfg.**	**18**	**9**	**473.2**	**.0274**	**93**
Pike		**All mfg.**	**13**	**4**	**51.3**	**.0030**	**52**
Poinsett		**All mfg.**	**15**	**8**	**154.5**	**.0089**	**84**
2511		Wood household furniture	1	1	51.2	1.0948	100
Polk		**All mfg.**	**18**	**4**	**187.5**	**.0109**	**79**
Pope		**All mfg.**	**21**	**8**	**330.9**	**.0192**	**75**
2037		Frozen fruits & vegetables	1	1	122.4	2.9053	100
Prairie		**All mfg.**	**3**		**4.5**	**.0003**	**0**
Pulaski	**153**	**All mfg.**	**247**	**71**	**2,028.4**	**.1174**	**74**
2335		Women's & misses' dresses	1	1	48.6	.8990	100
3621		Motors & generators	2	2	58.0	.9775	100
3661		Telephone & telegraph apparatus	2	1	150.6	1.1846	97
3751		Motorcycles, bicycles, & parts	1	1	70.2	5.8330	100
3873		Watches, clocks, & watchcases	2	2	117.2	9.2861	100
Randolph		**All mfg.**	**14**	**6**	**91.9**	**.0053**	**74**
St. Francis		**All mfg.**	**15**	**6**	**348.8**	**.0202**	**54**
3651		Radio & TV receiving sets	1	1	111.6	1.6513	100
Saline	**153**	**All mfg.**	**18**	**4**	**318.5**	**.0184**	**87**
2819		Industrial inorganic chemicals n.e.c.	3	2	269.1	2.4988	99
Scott		**All mfg.**	**6**	**2**	**40.9**	**.0024**	**73**
Searcy		**All mfg.**	**8**	**1**	**23.6**	**.0014**	**44**
Sebastian	**94**	**All mfg.**	**143**	**49**	**1,447.9**	**.0838**	**78**
2511		Wood household furniture	8	8	66.3	1.4177	100
2512		Upholstered wood household furniture	9	3	92.2	2.8909	86
3585		Refrigeration & heating equipment	4	3	269.6	1.5575	97
3621		Motors & generators	2	1	52.0	.8764	97
3632		Household refrigerators & freezers	1	1	108.9	3.6835	100
Sevier		**All mfg.**	**7**	**4**	**93.0**	**.0054**	**87**
Sharp		**All mfg.**	**2**		**2.3**	**.0001**	**0**
Stone		**All mfg.**	**4**	**1**	**22.9**	**.0013**	**52**
Union		**All mfg.**	**43**	**12**	**1,674.1**	**.0969**	**75**
Van Buren		**All mfg.**	**6**	**3**	**32.8**	**.0019**	**83**
Washington	**87**	**All mfg.**	**53**	**23**	**791.9**	**.0458**	**87**
2016		Poultry-dressing plants	4	2	156.0	2.1798	93
2038		Frozen food specialties	1	1	214.0	5.0391	100
White		**All mfg.**	**29**	**12**	**278.9**	**.0161**	**73**
Woodruff		**All mfg.**	**8**	**4**	**55.8**	**.0032**	**77**
Y[illegible]		**All mfg.**	**10**	**3**	**83.2**	**.0048**	**47**
2017		Poultry & egg processing	2	2	29.1	2.7166	100
State Total		**All mfg.**	**1,600**	**560**	**18,356.5**	**1.0624**	**77**
CALIFORNIA							
Alameda	**247**	**All mfg.**	**675**	**184**	**6,910.7**	**.4000**	**79**
2033		Canned fruits & vegetables	10	7	87.4	1.1294	89
2051		Bread, cake, & related products	8	5	59.7	.5321	87
2052		Cookies & crackers	6	3	130.6	3.8407	90
2653		Corrugated & solid fiber boxes	13	6	105.7	1.2554	81
2711		Newspapers	8	4	80.3	.4992	89
2834		Pharmaceutical preparations	6	3	152.2	.9178	94
3221		Glass containers	4	4	87.3	3.1139	100
3312		Blast furnaces & steel mills	3	2	286.2	.5660	96
3411		Metal cans	7	6	310.6	3.6489	98
3441		Fabricated structural metal	8	2	50.6	.8211	67
3519		Internal-combustion engines n.e.c.	2	2	293.5	3.1576	100
3561		Pumps & pumping equipment	7	2	50.2	1.4907	81
3569		General industrial machinery n.e.c.	8	2	39.9	1.8304	81
3573		Electronic computing equipment	3	3	185.4	.7669	100
3711		Motor vehicles & passenger-car bodies	3	2	1,322.3	1.9669	100
3713		Truck & bus bodies	7	3	57.0	1.8977	92
Amador		**All mfg.**	**4**	**1**	**31.0**	**.0018**	**46**
Butte		**All mfg.**	**31**	**8**	**322.3**	**.0187**	**69**
Calaveras		**All mfg.**	**8**	**2**	**54.0**	**.0031**	**63**
Colusa		**All mfg.**	**5**		**21.9**	**.0013**	**0**
Contra Costa	**247**	**All mfg.**	**223**	**117**	**6,221.6**	**.3601**	**92**
2062		Cane-sugar refining	1	1	443.5	15.9326	100
2711		Newspapers	9	4	65.1	.4047	82
2819		Industrial inorganic chemicals n.e.c.	12	3	172.0	1.5972	79
2911		Petroleum refining	5	5	3,348.4	2.1408	100
3221		Glass containers	2	2	76.5	2.7286	100
3312		Blast furnaces & steel mills	1	1	217.4	.4300	100
3662		Radio & TV communication equipment	11	3	144.9	.6163	79
3829		Measuring & controlling devices n.e.c.	1	1	43.6	2.5852	100
Del Norte		**All mfg.**	**10**	**5**	**122.7**	**.0071**	**82**
El Dorado		**All mfg.**	**8**	**1**	**34.2**	**.0020**	**47**
Fresno	**96**	**All mfg.**	**165**	**47**	**1,506.7**	**.0872**	**70**
2034		Dehydrated fruits, vegetables, & soups	11	7	134.8	10.0597	91
Glenn		**All mfg.**	**10**	**4**	**91.0**	**.0053**	**72**
Humboldt		**All mfg.**	**38**	**13**	**338.1**	**.0196**	**74**
2421		General sawmills & planing mills	16	5	203.2	1.6304	81
Imperial		**All mfg.**	**16**	**3**	**147.8**	**.0086**	**54**
Inyo		**All mfg.**	**4**	**1**	**23.5**	**.0014**	**79**
Kern	**23**	**All mfg.**	**91**	**17**	**1,334.1**	**.0772**	**60**
Kings		**All mfg.**	**19**	**3**	**569.3**	**.0329**	**86**
Lassen		**All mfg.**	**5**		**18.6**	**.0011**	**0**
Los Angeles	**157**	**All mfg.**	**5,842**	**1,602**	**61,598.0**	**3.5650**	**80**
2011		Meat-packing plants	33	16	861.5	2.2205	78
2013		Sausages & other prepared meats	18	9	411.8	3.8187	86
2026		Fluid milk	11	8	463.3	2.7538	96
2033		Canned fruits & vegetables	8	2	95.7	1.2367	87
2047		Pet food	5	3	291.7	7.5772	92
2051		Bread, cake, & related products	31	18	437.3	3.8979	92
2065		Confectionery products	16	3	115.4	2.0545	57
2082		Malt beverages	4	4	392.1	4.5376	100
2086		Bottled & canned soft drinks	12	5	249.5	1.9257	86
2087		Flavoring extracts & syrups n.e.c.	6	2	259.1	8.0085	88
2091		Canned & cured seafoods	3	3	228.6	14.0798	100
2099		Food preparations n.e.c.	28	13	540.3	6.7109	84
2253		Knit-outerwear mills	18	2	44.6	1.6866	45
2258		Warp-knit fabric mills	1	1	191.5	10.4031	100
2262		Synthetics- & silk-finishing plants	6	2	129.3	4.9938	80
2272		Tufted carpets & rugs	7	5	183.6	3.6024	95
2311		Men's & boys' suits & coats	11	5	60.5	1.6677	81
2321		Men's & boys' shirts & nightwear	29	13	96.5	2.6182	75
2327		Men's & boys' separate trousers	7	3	51.6	2.3673	93
2329		Men's & boys' clothing n.e.c.	13	3	29.5	2.1999	71
2331		Women's & misses' blouses	30	11	152.7	5.2269	68
2335		Women's & misses' dresses	65	8	217.1	4.0159	45
2337		Women's & misses' suits & coats	28	9	251.7	6.8330	69
2339		Women's & misses' outerwear n.e.c.	63	23	330.0	8.2278	75
2341		Women's & children's underwear	14	9	65.4	2.8738	88
2342		Brassieres, girdles, & allied garments	11	7	112.7	13.8827	93
2391		Curtains & draperies	19	2	45.1	3.6661	34
2392		House furnishings n.e.c.	21	6	133.5	4.8037	66
2399		Fabricated textile products n.e.c.	20	6	65.2	4.7623	66
2431		Millwork	28	2	68.0	1.5708	21
2451		Mobile homes	12	4	128.4	3.8074	78
2499		Wood products n.e.c.	34	5	108.2	3.7019	60

1980 (S&MM Est.)

County SIC	Metro Area Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
		Total Plants	Large Plants			
CALIFORNIA (Los Angeles, cont.)						
2511	Wood household furniture	56	16	186.4	3.9859	67
2512	Upholstered wood household furniture	61	16	175.0	5.4871	55
2514	Metal household furniture	24	17	170.5	11.9023	93
2515	Mattresses & bedsprings	29	8	128.0	7.7585	61
2519	Household furniture n.e.c.	12	3	60.3	17.3926	62
2521	Wood office furniture	14	4	61.8	8.6530	66
2522	Metal office furniture	12	6	67.9	4.1999	77
2531	Public-building & related furniture	8	2	53.7	6.0967	85
2541	Wood partitions & fixtures	24	2	60.0	4.8274	32
2542	Metal partitions & fixtures	19	3	58.4	3.8619	40
2591	Drapery hardware & blinds & shades	10	5	56.3	8.3296	85
2621	Paper mills, except building paper	10	6	203.4	1.0942	92
2642	Envelopes	14	4	53.9	4.3857	58
2643	Bags, except textile bags	22	10	204.7	4.6885	81
2651	Folding paperboard boxes	14	7	78.7	2.7542	79
2653	Corrugated & solid fiber boxes	41	15	280.5	3.3316	69
2711	Newspapers	61	24	689.3	4.2855	90
2721	Periodicals	52	5	229.4	3.0463	39
2741	Miscellaneous publishing	13	5	116.4	5.1366	85
2751	Letterpress commercial printing	82	11	158.5	2.8998	49
2752	Lithographic commercial printing	70	10	378.3	3.2134	43
2753	Engraving & plate printing	17	3	29.0	8.6361	52
2761	Manifold business forms	15	4	112.0	3.0615	67
2782	Blankbooks & looseleaf binders	14	8	106.5	8.1341	83
2819	Industrial inorganic chemicals n.e.c.	19	7	221.1	2.0531	73
2821	Plastics materials & synthetic resins	23	11	333.6	2.4326	73
2834	Pharmaceutical preparations	29	13	605.7	3.6527	86
2841	Soap & other detergents	16	5	470.0	5.9066	83
2842	Polishes & sanitation goods	33	7	232.9	5.3039	59
2844	Toilet preparations	20	6	855.5	9.2730	87
2851	Paints & allied products	57	12	557.2	6.5724	61
2869	Industrial organic chemicals n.e.c.	17	6	424.7	1.4082	63
2891	Adhesives & sealants	20	7	188.9	7.2088	70
2899	Chemical preparations n.e.c.	47	8	311.1	5.8347	46
2911	Petroleum refining	20	12	9,554.8	6.1090	93
3011	Tires & inner tubes	5	2	168.1	1.6439	90
3069	Fabricated rubber products n.e.c.	59	19	196.6	4.2752	68
3079	Miscellaneous plastics products	228	54	1,138.8	4.4428	58
3144	Women's nonathletic footwear	9	6	67.7	4.0449	92
3171	Women's handbags & purses	14	4	54.7	9.1979	73
3221	Glass containers	8	4	90.8	3.2387	91
3231	Products of purchased glass	23	5	147.3	5.4809	48
3269	Pottery products n.e.c.	20	5	45.2	12.1342	54
3272	Concrete products n.e.c.	11	3	102.7	2.6342	83
3273	Ready-mixed concrete	23	2	185.5	1.9883	46
3292	Asbestos products	7	4	107.5	8.1830	91
3293	Gaskets, packing, & sealing devices	19	4	79.1	4.0752	57
3312	Blast furnaces & steel mills	19	7	467.6	.9248	84
3315	Steel wire & related products	11	3	122.5	4.5241	69
3317	Steel pipe & tubes	11	2	97.1	3.0340	70
3321	Gray-iron foundries	24	11	130.6	1.6019	72
3325	Steel foundries n.e.c.	9	5	47.9	1.8441	81
3351	Copper rolling & drawing	5	4	257.8	4.5604	99
3355	Aluminum rolling & drawing n.e.c.	7	3	350.5	24.9023	95
3361	Aluminum foundries	35	3	135.0	3.9508	32
3369	Nonferrous foundries n.e.c.	31	9	76.8	6.6998	62
3411	Metal cans	10	8	377.5	4.4349	98
3423	Hand & edge tools n.e.c.	21	4	63.5	2.3298	47
3429	Hardware n.e.c.	78	21	553.6	8.7932	71
3432	Plumbing fittings & brass goods	15	7	139.3	10.0847	89
3433	Heating equipment, except electric	12	3	48.5	2.6356	75
3441	Fabricated structural metal	41	8	133.3	2.1630	52
3442	Metal doors, sash, & trim	41	9	143.6	3.7104	51
3443	Fabricated plate work (boiler shops)	35	8	160.0	1.8095	60
3444	Sheet-metal work	79	11	210.7	3.6547	38
3449	Miscellaneous metal work	26	3	75.1	4.9545	25
3451	Screw-machine products	26	3	51.8	2.4601	31
3452	Bolts, nuts, rivets, & washers	47	15	332.8	8.4680	81
3462	Iron & steel forgings	15	3	98.9	2.8453	71
3463	Nonferrous forgings	6	2	79.8	13.6131	85
3469	Metal stampings n.e.c.	46	4	112.3	1.9943	26
3471	Plating & polishing	118	16	246.0	11.5260	45
3479	Metal coating & allied services n.e.c.	54	8	154.7	7.9062	44
3483	Ammunition, except small-arms, n.e.c.	5	3	77.5	9.1338	95
3494	Valves & pipe fittings	37	11	225.7	3.2641	74
3496	Miscellaneous fabricated wire products	32	4	43.6	2.4169	31
3498	Fabricated pipe & fittings	17	5	101.6	4.7706	55
3499	Fabricated metal products n.e.c.	42	7	161.9	3.8555	50
3531	Construction machinery	21	5	226.6	1.3947	69
3532	Mining machinery	6	2	90.6	3.2750	87
3533	Oil-field machinery	21	10	399.2	8.2347	90
3541	Metal-cutting machine tools	15	5	50.7	2.1473	73
3544	Special dies, tools, jigs, & fixtures	66	9	88.6	2.8703	40
3545	Machine-tool accessories	36	3	51.7	2.6404	28
3546	Power-driven hand tools	4	2	90.3	9.0273	97
3551	Food-products machinery	27	6	100.8	3.2377	44
3559	Special-industry machinery n.e.c.	29	6	143.7	2.2706	63
3561	Pumps & pumping equipment	33	12	257.1	7.6347	85
3564	Blowers & exhaust & ventilation fans	19	4	44.7	3.5485	68
3569	General industrial machinery n.e.c.	47	18	203.3	9.3265	80
3573	Electronic computing equipment	40	24	1,960.7	8.1100	95
3574	Calculating & accounting machines	8	6	132.9	8.5269	93
3585	Refrigeration & heating equipment	42	10	457.9	2.6452	67
3589	Service-industry machinery n.e.c.	15	5	126.3	4.2156	72
3599	Machinery, except electrical, n.e.c.	237	16	714.1	6.4935	27
3613	Switchgear & switchboard apparatus	24	9	122.3	2.6255	72
3621	Motors & generators	18	11	142.5	2.4016	92
3622	Industrial controls	22	4	147.6	4.6424	77
3623	Electric welding apparatus	12	3	128.0	8.1146	76
3639	Household appliances n.e.c.	9	4	150.0	9.8168	88
3643	Current-carrying wiring devices	26	9	80.2	3.9908	71
3644	Non-current-carrying wiring devices	9	7	103.1	5.8700	95
3645	Residential electric lighting fixtures	23	7	94.2	8.1172	61
3646	Commercial electric lighting fixtures	15	7	95.0	8.5324	76
3648	Lighting equipment n.e.c.	19	8	84.4	10.0764	72
3651	Radio & TV receiving sets	28	19	637.9	9.4385	94
3652	Phonograph records & pre-recorded tape	20	9	170.3	11.7904	75
3661	Telephone & telegraph apparatus	12	9	153.1	1.2043	95
3662	Radio & TV communication equipment	85	39	2,171.9	9.2381	93
3672	Cathode-ray TV picture tubes	1	1	79.1	7.4300	100
3674	Semiconductors & related devices	17	6	304.5	4.0532	90
3675	Electronic capacitors	8	6	74.1	7.1223	94
3676	Electronic resistors	4	3	53.5	6.7262	95
3677	Electronic coils & transformers	16	6	45.1	6.4548	63
3678	Electronic connectors	15	7	144.8	8.8078	88
3679	Electronic components n.e.c.	111	29	357.1	4.7077	64
3711	Motor vehicles & passenger-car bodies	5	4	1,384.9	2.0600	99
3713	Truck & bus bodies	21	3	55.2	1.8377	43
3714	Motor-vehicle parts & accessories	72	22	559.7	1.7751	74
3715	Truck trailers	6	2	58.6	3.5658	87
3721	Aircraft	9	9	5,064.3	22.1812	100
3724	Aircraft engines & engine parts	10	5	201.4	1.8600	89
3728	Aircraft equipment n.e.c.	126	43	1,249.7	17.0150	81
3731	Ship building & repairing	5	4	108.3	1.3242	98
3751	Motorcycles, bicycles, & parts	9	3	74.5	6.1903	68
3761	Guided missiles & space vehicles	4	4	1,362.8	20.2025	100
3769	Space-vehicle equipment n.e.c.	5	4	85.6	9.2591	97
3792	Travel trailers & campers	19	10	174.5	8.4222	86
3811	Engineering & scientific instruments	24	5	79.3	2.8780	49
3822	Environmental controls	11	5	159.1	8.7398	93
3823	Industrial process-control instruments	20	6	105.8	4.4768	73
3825	Electricity-measuring instruments	21	7	144.1	3.7008	78
3829	Measuring & controlling devices n.e.c.	21	10	98.3	5.8286	78

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
3832		Optical instruments & lenses	21	5	161.9	8.1900	73
3841		Surgical & medical instruments	10	3	82.3	3.1943	83
3842		Surgical appliances & supplies	17	3	109.9	2.9238	63
3843		Dental equipment & supplies	7	3	120.9	10.6295	93
3861		Photographic equipment & supplies	28	8	440.0	2.8805	63
3911		Precious-metal jewelry	18	3	71.3	2.9129	47
3744		Games, toys, & children's vehicles	16	8	317.7	9.8292	94
3949		Sporting & athletic goods n.e.c.	28	7	105.6	3.8550	60
3951		Pens & mechanical pencils	5	3	93.3	12.8353	97
3993		Signs & advertising displays	40	6	104.1	5.3341	51
3999		Manufactures n.e.c.	53	4	141.8	4.8182	30
Madera		**All mfg.**	**19**	**6**	**252.8**	**.0146**	**67**
Marin	**247**	**All mfg.**	**40**	**7**	**175.5**	**.0102**	**45**
Mariposa		**All mfg.**	**1**		**1.5**	**.0001**	**0**
Mendocino		**All mfg.**	**29**	**6**	**152.5**	**.0088**	**53**
Merced		**All mfg.**	**30**	**12**	**389.0**	**.0225**	**78**
Modoc		**All mfg.**	**2**		**8.0**	**.0005**	**0**
Mono		**All mfg.**	**2**	**1**	**72.6**	**.0042**	**96**
3674		Semiconductors & related devices	1	1	69.4	.9238	100
Monterey	**242**	**All mfg.**	**59**	**23**	**595.8**	**.0345**	**80**
2037		Frozen fruits & vegetables	6	5	133.5	3.1688	98
Napa	**283**	**All mfg.**	**28**	**6**	**294.7**	**.0171**	**69**
3317		Steel pipe & tubes	1	1	85.6	2.6747	100
Nevada		**All mfg.**	**8**	**2**	**66.1**	**.0038**	**51**
Orange	**10**	**All mfg.**	**1,032**	**303**	**9,627.8**	**.5572**	**79**
2511		Wood household furniture	9	4	37.1	.7933	78
2711		Newspapers	10	3	61.5	.3824	82
2834		Pharmaceutical preparations	8	4	261.1	1.5746	92
2851		Paints & allied products	10	2	120.4	1.4202	59
3069		Fabricated rubber products n.e.c.	10	3	63.0	1.3700	85
3079		Miscellaneous plastics products	82	20	393.9	1.5367	57
3429		Hardware n.e.c.	17	4	147.3	2.3397	72
3452		Bolts, nuts, rivets, & washers	9	4	106.0	2.6971	88
3469		Metal stampings n.e.c.	14	3	64.9	1.1525	63
3533		Oil-field machinery	7	6	339.6	7.0052	99
3573		Electronic computing equipment	27	20	862.1	3.5659	97
3599		Machinery, except electrical, n.e.c.	32	2	84.7	.7702	16
3661		Telephone & telegraph apparatus	6	1	87.3	.6867	87
3662		Radio & TV communication equipment	31	12	1,375.9	5.8524	95
3674		Semiconductors & related devices	6	3	141.3	1.8809	96
3678		Electronic connectors	2	1	162.2	9.8662	98
3679		Electronic components n.e.c.	41	21	197.4	2.6023	86
3728		Aircraft equipment n.e.c.	21	12	444.2	6.0479	94
3732		Boat building & repairing	15	4	74.2	3.3190	69
3792		Travel trailers & campers	8	4	92.4	4.4597	87
3823		Industrial process-control instruments	11	5	76.1	3.2201	87
3841		Surgical & medical instruments	9	4	80.8	3.1360	84
3842		Surgical appliances & supplies	7	4	123.2	3.2776	94
3861		Photographic equipment & supplies	14	6	272.6	1.7846	85
3931		Musical instruments & parts	3	2	43.0	3.9661	96
3949		Sporting & athletic goods n.e.c.	9	4	114.7	4.1872	92
Placer	**236**	**All mfg.**	**11**	**3**	**75.2**	**.0044**	**73**
Plumas		**All mfg.**	**5**	**2**	**28.7**	**.0017**	**69**
Riverside	**231**	**All mfg.**	**159**	**59**	**1,356.6**	**.0785**	**79**
2451		Mobile homes	9	7	133.3	3.9527	95
Sacramento	**236**	**All mfg.**	**117**	**33**	**1,474.4**	**.0853**	**82**
2032		Canned food specialties	1	1	211.5	5.9571	100
2033		Canned fruits & vegetables	6	5	141.8	1.8324	98
2711		Newspapers	3	3	135.8	.8443	100
3764		Space-propulsion units & parts	1	1	242.7	22.9092	100
San Benito		**All mfg.**	**10**	**1**	**62.0**	**.0036**	**25**
San Bernardino	**231**	**All mfg.**	**216**	**62**	**2,283.9**	**.1322**	**81**
2711		Newspapers	14	2	57.2	.3556	58
3312		Blast furnaces & steel mills	3	3	611.5	1.2094	100
3589		Service-industry machinery n.e.c.	1	1	161.2	5.3805	100
3634		Electric housewares & fans	1	1	65.0	1.9783	100
3721		Aircraft	1	1	117.0	.5124	100
San Diego	**246**	**All mfg.**	**410**	**136**	**5,521.6**	**.3196**	**87**
2051		Bread, cake, & related products	10	6	68.8	.6133	82
2091		Canned & cured seafoods	2	2	160.0	9.8546	100
2711		Newspapers	15	7	201.6	1.2534	89
3443		Fabricated plate work (boiler ^ops)	7	2	320.7	3.6269	97
3573		Electronic computing equipment	10	7	605.3	2.5037	97
3662		Radio & TV communication equipment	29	13	661.7	2.8145	91
3674		Semiconductors & related devices	6	4	72.5	.9651	92
3679		Electronic components n.e.c.	15	3	56.8	.7488	64
3721		Aircraft	1	1	114.1	.4997	100
3724		Aircraft engines & engine parts	2	2	358.6	3.3119	100
3728		Aircraft equipment n.e.c.	10	9	417.2	5.6803	99
3731		Ship building & repairing	2	2	121.4	1.4843	100
3761		Guided missiles & space vehicles	1	1	524.1	7.7694	100
3825		Electricity-measuring instruments	14	4	91.5	2.3499	65
San Francisco	**247**	**All mfg.**	**645**	**93**	**4,052.8**	**.2346**	**60**
2051		Bread, cake, & related products	19	3	115.3	1.0277	71
2086		Bottled & canned soft drinks	4	3	105.5	.8143	98
2095		Roasted coffee	4	4	603.9	8.4696	100
2335		Women's & misses' dresses	17	7	58.1	1.0747	66
2337		Women's & misses' suits & coats	7	4	117.8	3.1980	89
2711		Newspapers	26	6	276.0	1.7160	85
2751		Letterpress commercial printing	18	2	29.9	.5470	37
2752		Lithographic commercial printing	42	5	241.3	2.0497	47
3429		Hardware n.e.c.	4	1	113.6	1.8044	94
3549		Metalworking machinery n.e.c.	1	1	51.1	6.8061	100
3731		Ship building & repairing	8	3	81.7	.9989	86
San Joaquin	**268**	**All mfg.**	**138**	**55**	**1,767.5**	**.1023**	**81**
2033		Canned fruits & vegetables	12	11	451.1	5.8294	99
3211		Flat glass	1	1	91.9	3.8468	100
San Luis Obispo		**All mfg.**	**23**	**5**	**237.5**	**.0137**	**16**
San Mateo	**247**	**All mfg.**	**301**	**79**	**2,478.1**	**.1434**	**72**
2711		Newspapers	15	5	99.8	.6205	75
3661		Telephone & telegraph apparatus	1	1	121.3	.9541	100
3662		Radio & TV communication equipment	8	4	363.6	1.5466	97
Santa Barbara	**249**	**All mfg.**	**93**	**26**	**754.8**	**.0437**	**66**
3662		Radio & TV communication equipment	6	3	187.1	.7958	93
Santa Clara	**248**	**All mfg.**	**693**	**250**	**14,047.2**	**.8130**	**90**
2033		Canned fruits & vegetables	16	14	367.9	4.7542	98
2034		Dehydrated fruits, vegetables, & soups	8	5	150.6	11.2388	97
2099		Food preparations n.e.c.	4	2	142.2	1.7662	94
2711		Newspapers	9	4	92.5	.5751	93
2834		Pharmaceutical preparations	4	4	198.0	1.1940	100
3079		Miscellaneous plastics products	21	4	86.3	.3367	52
3489		Ordnance & accessories n.e.c.	2	1	75.3	9.1818	97
3559		Special-industry machinery n.e.c.	7	3	74.6	1.1787	76
3573		Electronic computing equipment	40	25	2,796.0	11.5650	97
3613		Switchgear & switchboard apparatus	3	2	67.2	1.4426	97
3662		Radio & TV communication equipment	38	17	1,006.2	4.2798	90
3674		Semiconductors & related devices	40	29	2,241.7	29.8396	98
3679		Electronic components n.e.c.	51	20	269.3	3.5502	84
3711		Motor vehicles & passenger-car bodies	2	2	884.1	1.3151	100
3724		Aircraft engines & engine parts	1	1	115.5	1.0667	100
3761		Guided missiles & space vehicles	1	1	1,763.0	26.1352	100
3811		Engineering & scientific instruments	19	10	174.6	6.3366	92
3825		Electricity-measuring instruments	23	13	477.9	12.2734	95
Santa Cruz	**250**	**All mfg.**	**60**	**18**	**748.1**	**.0433**	**81**
2033		Canned fruits & vegetables	3	2	68.2	.8813	96
2037		Frozen fruits & vegetables	4	4	160.9	3.8191	100
3662		Radio & TV communication equipment	2	1	90.2	.3837	96
Shasta		**All mfg.**	**23**	**5**	**399.3**	**.0231**	**79**
2492		Particleboard	1	1	28.9	5.6160	100
Sierra		**[illegible] mfg.**	**3**	**1**	**54.4**	**.0031**	**68**
Siskiyou		**All mfg.**	**10**		**39.8**	**.0023**	**0**
Solano	**283**	**All mfg.**	**34**	**15**	**612.8**	**.0355**	**68**
2034		Dehydrated fruits, vegetables, & soups	1	1	64.6	4.8209	100
Sonoma	**252**	**All mfg.**	**84**	**29**	**571.1**	**.0331**	**63**
Stanislaus	**178**	**All mfg.**	**89**	**32**	**1,238.0**	**.0717**	**84**
2033		Canned fruits & vegetables	10	9	202.1	2.6117	98
2037		Frozen fruits & vegetables	3	3	76.8	1.8229	100
2084		Wines, brandy, & brandy spirits	1	1	218.1	13.3126	100
Sutter		**All mfg.**	**10**	**3**	**85.2**	**.0049**	**78**
Tehama		**All mfg.**	**8**	**2**	**118.8**	**.0069**	**71**
2421		General sawmills & planing mills	3	2	87.8	.7045	96
Trinity		**All mfg.**	**5**		**17.1**	**.0010**	**0**
Tulare		**All mfg.**	**76**	**23**	**609.1**	**.0353**	**68**
Tuolumne		**All mfg.**	**7**	**1**	**61.3**	**.0035**	**65**

1980 (S&MM Est.)

CALIFORNIA (cont.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Ventura	**203**	**All mfg.**	**94**	**30**	**999.1**	**.0578**	**77**
3079		Miscellaneous plastics products	5	3	67.5	.2633	89
3679		Electronic components n.e.c.	5	3	45.9	.6051	91
Yolo	**236**	**All mfg.**	**36**	**11**	**468.8**	**.0271**	**84**
2033		Canned fruits & vegetables	2	2	107.6	1.3905	100
Yuba		**All mfg.**	**9**	**1**	**41.7**	**.0024**	**38**
State Total		**All mfg.**	**11,773**	**3,313**	**131,186.7**	**7.5925**	**80**

COLORADO

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Adams	**73**	**All mfg.**	**73**	**16**	**1,075.9**	**.0623**	**81**
3613		Switchgear & switchboard apparatus	1	1	116.8	2.5074	100
Alamosa		**All mfg.**	**2**		**4.2**	**.0002**	**0**
Arapahoe	**73**	**All mfg.**	**94**	**19**	**645.2**	**.0373**	**66**
2741		Miscellaneous publishing	2	1	74.5	3.2876	97
Archuleta		**All mfg.**	**3**	**1**	**33.0**	**.0019**	**82**
Bent		**All mfg.**	**1**		**7.3**	**.0004**	**0**
Boulder	**73**	**All mfg.**	**140**	**40**	**1,914.6**	**.1108**	**84**
3573		Electronic computing equipment	5	4	285.0	1.1788	99
3861		Photographic equipment & supplies	1	1	788.4	5.1614	100
Chaffee		**All mfg.**	**1**		**7.0**	**.0004**	**0**
Conejos		**All mfg.**	**7**		**13.2**	**.0008**	**0**
Costilla		**All mfg.**	**1**		**1.3**	**.0001**	**0**
Crowley		**All mfg.**	**1**		**7.3**	**.0004**	**0**
Delta		**All mfg.**	**9**	**1**	**46.9**	**.0027**	**27**
Denver	**73**	**All mfg.**	**505**	**121**	**4,345.9**	**.2515**	**69**
2011		Meat-packing plants	14	8	606.5	1.5632	86
2051		Bread, cake, & related products	14	7	101.5	.9047	80
2329		Men's & boys' clothing n.e.c.	12	5	25.4	1.8941	75
2711		Newspapers	9	3	139.8	.8692	91
2752		Lithographic commercial printing	18	2	104.9	.3911	46
3041		Rubber & plastic hose & belting	1	1	50.8	3.2443	100
3079		Miscellaneous plastics products	19	1	68.7	.2680	28
3161		Luggage	1	1	157.4	19.6357	100
3443		Fabricated plate work (boiler shops)	7	4	66.2	.7487	85
3532		Mining machinery	9	3	112.2	4.0558	78
3661		Telephone & telegraph apparatus	1	1	80.8	.6356	100
3728		Aircraft equipment n.e.c.	3	3	122.3	1.6651	100
3761		Guided missiles & space vehicles	1	1	142.9	2.1184	100
3825		Electricity-measuring instruments	4	3	31.8	2.1008	98
Douglas	**73**	**All mfg.**	**3**	**1**	**15.5**	**.0009**	**61**
Eagle		**All mfg.**	**3**	**1**	**22.6**	**.0013**	**62**
Elbert		**All mfg.**	**1**		**1.8**	**.0001**	**0**
El Paso	**60**	**All mfg.**	**85**	**25**	**790.0**	**.0457**	**73**
3679		Electronic components n.e.c.	4	3	66.8	.8806	98
3825		Electricity-measuring instruments	2	2	81.8	2.1008	100
Fremont		**All mfg.**	**9**	**3**	**87.9**	**.0051**	**52**
Garfield		**All mfg.**	**2**		**2.8**	**.0002**	**0**
Gilpin	**73**	**All mfg.**	**1**		**5.2**	**.0003**	**0**
Grand		**All mfg.**	**4**		**22.9**	**.0013**	**0**
Gunnison		**All mfg.**	**2**		**8.0**	**.0005**	**0**
Jackson		**All mfg.**	**1**	**1**	**19.9**	**.0012**	**100**
Jefferson	**73**	**All mfg.**	**77**	**16**	**1,430.0**	**.0828**	**88**
2082		Malt beverages	1	1	675.6	7.8184	100
3264		Porcelain electrical supplies	1	1	49.0	9.6135	100
3411		Metal cans	2	2	150.2	1.7645	100
3483		Ammunition, except small-arms, n.e.c.	1	1	78.3	9.2280	100
Kiowa		**All mfg.**	**1**		**1.3**	**.0001**	**0**
La Plata		**All mfg.**	**12**	**2**	**50.8**	**.0029**	**50**
Larimer	**91**	**All mfg.**	**58**	**13**	**583.0**	**.0337**	**70**
3825		Electricity-measuring instruments	1	1	80.2	2.0597	100
Las Animas		**All mfg.**	**3**		**19.9**	**.0012**	**0**
Lincoln		**All mfg.**	**2**		**12.8**	**.0007**	**0**
Logan		**All mfg.**	**11**	**2**	**124.0**	**.0072**	**75**
Mesa		**All mfg.**	**36**	**13**	**530.1**	**.0307**	**83**
Mineral		**All mfg.**	**1**		**5.8**	**.0003**	**0**
Moffat		**All mfg.**	**2**		**5.5**	**.0003**	**0**
Montezuma		**All mfg.**	**6**	**1**	**31.1**	**.0018**	**45**
Montrose		**All mfg.**	**7**	**1**	**59.8**	**.0035**	**77**
Morgan		**All mfg.**	**12**	**6**	**275.7**	**.0160**	**89**
Otero		**All mfg.**	**11**	**2**	**73.0**	**.0042**	**56**
Phillips		**All mfg.**	**1**		**2.9**	**.0002**	**0**
Pitkin		**All mfg.**	**2**		**2.8**	**.0002**	**0**
Prowers		**All mfg.**	**9**	**1**	**43.2**	**.0025**	**19**
Pueblo	**222**	**All mfg.**	**39**	**9**	**1,054.5**	**.0610**	**89**
3312		Blast furnaces & steel mills	1	1	637.6	1.2610	100
Rio Grande		**All mfg.**	**7**		**25.7**	**.0015**	**0**
Routt		**All mfg.**	**2**		**4.2**	**.0002**	**0**
Sedgwick		**All mfg.**	**2**	**1**	**19.2**	**.0011**	**81**
Washington		**All mfg.**	**1**		**8.4**	**.0005**	**0**
Weld	**104**	**All mfg.**	**42**	**15**	**922.0**	**.0534**	**86**
2011		Meat-packing plants	2	1	330.9	.8529	97
3861		Photographic equipment & supplies	1	1	175.2	1.1470	100
Yuma		**All mfg.**	**1**		**8.4**	**.0005**	**0**
State Total		**All mfg.**	**1,293**	**311**	**14,372.5**	**.8318**	**76**

CONNECTICUT

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Fairfield	**42**	**All mfg.**	**890**	**250**	**9,873.7**	**.5714**	**82**
2051		Bread, cake, & related products	17	4	310.7	2.7695	91
2342		Brassieres, girdles, & allied garments	4	1	66.9	8.2409	96
2711		Newspapers	14	3	69.4	.4315	60
2721		Periodicals	21	4	135.2	1.7954	61
2731		Book publishing	6	2	111.3	1.8244	90
2844		Toilet preparations	5	2	278.9	3.0231	96
2899		Chemical preparations n.e.c.	9	3	127.9	2.3988	86
3011		Tires & inner tubes	1	1	392.2	3.8354	100
3079		Miscellaneous plastics products	36	8	119.7	.4670	52
3292		Asbestos products	2	1	91.2	6.9422	98
3357		Nonferrous-wire drawing & insulating	8	2	262.3	2.8102	86
3429		Hardware n.e.c.	10	4	126.2	2.0045	83
3469		Metal stampings n.e.c.	10	4	51.7	.9181	82
3471		Plating & polishing	16	4	40.1	1.8788	50
3484		Small arms	3	3	230.1	24.6228	100
3541		Metal-cutting machine tools	10	5	88.5	3.7483	92
3562		Ball & roller bearings	5	3	89.1	3.9787	97
3573		Electronic computing equipment	9	2	214.8	.8885	82
3579		Office machines n.e.c.	4	2	326.4	14.5331	99
3634		Electric housewares & fans	3	2	75.8	2.3070	97
3643		Current-carrying wiring devices	11	9	193.3	9.6188	99
3648		Lighting equipment n.e.c.	3	3	44.0	5.2531	100
3662		Radio & TV communication equipment	18	7	294.6	1.2531	89
3679		Electronic components n.e.c.	22	9	80.4	1.0599	78
3721		Aircraft	2	2	1,495.4	6.5497	100
3724		Aircraft engines & engine parts	3	2	468.4	4.3259	99
3825		Electricity-measuring instruments	8	5	85.9	2.2061	90
3829		Measuring & controlling devices n.e.c.	11	9	95.3	5.6508	95
3832		Optical instruments & lenses	6	4	269.7	13.6433	99
3841		Surgical & medical instruments	10	3	80.2	3.1127	84
3842		Surgical appliances & supplies	8	4	65.8	1.7506	79
Hartford	**111**	**All mfg.**	**804**	**218**	**9,212.9**	**.5332**	**84**
2711		Newspapers	10	4	78.4	.4874	81
2751		Letterpress commercial printing	28	5	52.7	.9642	61
3079		Miscellaneous plastics products	27	3	94.0	.3667	41
3316		Cold-rolled steel sheet, strip, & bars	4	4	196.4	6.0142	100
3357		Nonferrous-wire drawing & insulating	4	3	165.7	1.7752	95
3423		Hand & edge tools n.e.c.	8	4	119.5	4.3844	91
3429		Hardware n.e.c.	9	3	334.4	5.3115	93
3444		Sheet-metal work	21	2	55.7	.9661	31
3451		Screw-machine products	30	4	101.0	4.7967	53
3452		Bolts, nuts, rivets, & washers	10	4	64.7	1.6463	79

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CONNECTICUT (cont.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	1980 (S&MM Est.): Total Shipments ($Mil.)	1980 (S&MM Est.): % Of U.S. Shipments	1980 (S&MM Est.): % In Large Plants
3484		Small arms	1	1	88.6	9.4810	100
3495		Wire springs	27	7	194.7	19.1445	77
3496		Miscellaneous fabricated wire products	11	2	52.8	2.9268	79
3541		Metal-cutting machine tools	14	2	39.4	1.6687	63
3544		Special dies, tools, jigs, & fixtures	38	1	46.5	1.5064	25
3545		Machine-tool accessories	24	10	107.4	5.4852	83
3559		Special-industry machinery n.e.c.	8	2	80.9	1.2783	79
3562		Ball & roller bearings	7	6	323.2	14.4324	99
3599		Machinery, except electrical, n.e.c.	39	5	156.9	1.4267	42
3613		Switchgear & switchboard apparatus	8	5	262.2	5.6288	98
3622		Industrial controls	6	3	129.6	4.0762	95
3662		Radio & TV communication equipment	7	4	185.2	.7877	92
3714		Motor-vehicle parts & accessories	2	1	76.8	.2436	97
3724		Aircraft engines & engine parts	16	9	2,800.0	25.8596	99
3728		Aircraft equipment n.e.c.	9	5	471.7	6.4223	97
3829		Measuring & controlling devices n.e.c.	5	1	52.6	3.1189	83
Litchfield		**All mfg.**	**171**	**54**	**1,203.8**	**.0697**	**76**
3562		Ball & roller bearings	2	2	83.8	3.7421	100
3964		Needles, pins, & fasteners	4	2	45.2	5.7302	93
Middlesex	**111**	**All mfg.**	**134**	**39**	**899.7**	**.0521**	**75**
2741		Miscellaneous publishing	2	1	62.5	2.7580	97
3728		Aircraft equipment n.e.c.	3	2	76.5	1.0416	93
New Haven	**190**	**All mfg.**	**818**	**227**	**6,989.4**	**.4045**	**77**
2335		Women's & misses' dresses	17	7	61.0	1.1284	64
2711		Newspapers	11	5	92.9	.5776	86
2751		Letterpress commercial printing	20	2	28.8	.5269	27
2869		Industrial organic chemicals n.e.c.	5	2	386.7	1.2822	94
3021		Rubber & plastic footwear	1	1	83.9	14.2396	100
3079		Miscellaneous plastics products	22	3	106.7	.4163	48
3351		Copper rolling & drawing	8	7	386.7	6.8406	99
3357		Nonferrous-wire drawing & insulating	7	5	252.5	2.7052	97
3421		Cutlery	4	3	92.5	10.5030	96
3429		Hardware n.e.c.	10	7	144.4	2.2936	94
3451		Screw-machine products	41	6	105.0	4.9867	44
3452		Bolts, nuts, rivets, & washers	11	5	89.2	2.2697	83
3469		Metal stampings n.e.c.	36	11	263.3	4.6758	82
3484		Small arms	4	4	154.8	16.5650	100
3559		Special-industry machinery n.e.c.	6	2	135.3	2.1378	87
3599		Machinery, except electrical, n.e.c.	23	1	81.8	.7438	42
3621		Motors & generators	3	3	204.8	3.4515	100
3634		Electric housewares & fans	1	1	67.6	2.0575	100
3661		Telephone & telegraph apparatus	4	3	84.3	.6631	98
3679		Electronic components n.e.c.	16	8	80.9	1.0665	89
3694		Engine electrical equipment	3	2	70.3	1.5705	97
3714		Motor-vehicle parts & accessories	2	2	89.5	.2838	100
3724		Aircraft engines & engine parts	1	1	115.5	1.0667	100
3811		Engineering & scientific instruments	7	1	59.0	2.1412	81
3841		Surgical & medical instruments	8	5	100.3	3.8929	93
3873		Watches, clocks, & watchcases	2	2	230.1	18.2315	100
3914		Silverware & plated & stainless ware	6	3	96.2	19.9048	96
3951		Pens & mechanical pencils	1	1	77.7	10.6892	100
3964		Needles, pins, & fasteners	9	5	54.7	6.9346	84
New London	**191**	**All mfg.**	**105**	**39**	**2,287.1**	**.1324**	**93**
2819		Industrial inorganic chemicals n.e.c.	1	1	147.4	1.3687	100
2834		Pharmaceutical preparations	2	2	339.8	2.0492	100
3429		Hardware n.e.c.	1	1	71.2	1.1309	100
3731		Ship building & repairing	3	2	972.2	11.8870	100
Tolland	**111**	**All mfg.**	**45**	**13**	**265.8**	**.0154**	**71**
3679		Electronic components n.e.c.	4	3	37.1	.4891	98
Windham		**All mfg.**	**88**	**40**	**925.7**	**.0536**	**85**
2284		Thread mills	3	3	132.3	21.0870	100

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County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	1980 (S&MM Est.): Total Shipments ($Mil.)	1980 (S&MM Est.): % Of U.S. Shipments	1980 (S&MM Est.): % In Large Plants
3069		Fabricated rubber products n.e.c.	5	4	39.4	.8568	97
3079		Miscellaneous plastics products	9	6	72.5	.2828	85
State Total		**All mfg.**	**3,055**	**880**	**31,658.1**	**1.8322**	**82**

DELAWARE

County SIC	Metro Area	Industry	Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Kent		**All mfg.**	**32**	**15**	**370.4**	**.0214**	**88**
2099		Food preparations n.e.c.	1	1	111.1	1.3799	100
New Castle	**295**	**All mfg.**	**176**	**60**	**3,963.0**	**.2294**	**89**
2821		Plastics materials & synthetic resins	9	6	307.5	2.2423	93
3079		Miscellaneous plastics products	16	9	156.1	.6090	86
3312		Blast furnaces & steel mills	2	1	150.1	.2969	97
3711		Motor vehicles & passenger-car bodies	2	2	1,338.1	1.9904	100
Sussex		**All mfg.**	**52**	**16**	**958.5**	**.0555**	**87**
2033		Canned fruits & vegetables	6	3	69.5	.8981	86
2824		Noncellulosic synthetic organic fibers	1	1	434.5	5.1129	100
3574		Calculating & accounting machines	1	1	95.1	6.1016	100
State Total		**All mfg.**	**260**	**91**	**5,291.9**	**.3063**	**89**

DISTRICT OF COLUMBIA

County SIC	Metro Area	Industry	Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
District of Columbia	**287**	**All mfg.**	**164**	**34**	**1,879.0**	**.1087**	**80**
2051		Bread, cake, & related products	5	3	60.0	.5348	94
2711		Newspapers	8	4	334.9	2.0822	97
2721		Periodicals	40	7	523.8	6.9557	80
2751		Letterpress commercial printing	8	1	330.8	6.0522	97
2752		Lithographic commercial printing	26	5	221.3	1.8798	71
State Total		**All mfg.**	**164**	**34**	**1,879.0**	**.1087**	**80**

FLORIDA

County SIC	Metro Area	Industry	Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Alachua	**98**	**All mfg.**	**39**	**10**	**356.9**	**.0207**	**72**
3691		Storage batteries	1	1	116.3	4.7456	100
Baker	**122**	**All mfg.**	**1**		**1.4**	**.0001**	**0**
Bay	**204**	**All mfg.**	**31**	**14**	**363.6**	**.0210**	**84**
Bradford		**All mfg.**	**6**	**1**	**25.4**	**.0015**	**59**
Brevard	**168**	**All mfg.**	**99**	**32**	**1,264.4**	**.0732**	**86**
3573		Electronic computing equipment	5	2	123.3	.5100	83
3662		Radio & TV communication equipment	10	8	330.6	1.4062	99
3674		Semiconductors & related devices	1	1	101.0	1.3444	100
3761		Guided missiles & space vehicles	7	7	369.9	5.4835	100
Broward	**92**	**All mfg.**	**355**	**68**	**2,340.0**	**.1354**	**61**
2711		Newspapers	8	3	95.6	.5944	89
3079		Miscellaneous plastics products	16	1	69.6	.2715	45
3573		Electronic computing equipment	5	4	278.3	1.1511	99
3662		Radio & TV communication equipment	11	10	417.8	1.7771	100
3679		Electronic components n.e.c.	12	5	41.9	.5524	77
Calhoun		**All mfg.**	**6**	**4**	**35.0**	**.0020**	**89**
Charlotte		**All mfg.**	**5**		**11.1**	**.0006**	**0**
Citrus		**All mfg.**	**5**	**1**	**18.3**	**.0011**	**51**
Clay	**122**	**All mfg.**	**9**	**2**	**57.6**	**.0033**	**56**
Collier		**All mfg.**	**13**		**35.6**	**.0021**	**0**
Columbia		**All mfg.**	**16**	**4**	**133.9**	**.0077**	**77**
Dade	**171**	**All mfg.**	**898**	**187**	**5,117.0**	**.2962**	**62**
2026		Fluid milk	5	4	190.8	1.1341	94
2051		Bread, cake, & related products	12	4	74.8	.6667	65
2086		Bottled & canned soft drinks	9	5	162.6	1.2550	92
2253		Knit-outerwear mills	4	2	43.8	1.6564	92
2335		Women's & misses' dresses	45	7	134.1	2.4806	44
2339		Women's & misses' outerwear n.e.c.	36	4	87.7	2.1866	36
2369		Girls' & children's outerwear n.e.c.	18	5	36.7	4.1139	56
2711		Newspapers	11	1	106.4	.6615	77
2831		Biological products	4	3	162.2	12.3921	99
3021		Rubber & plastic footwear	4	4	47.2	8.0109	100
3079		Miscellaneous plastics products	28	3	100.4	.3917	32
3171		Women's handbags & purses	9	5	45.9	7.7182	84
3442		Metal doors, sash, & trim	31	10	150.6	3.8913	67
3444		Sheet-metal work	21	3	54.7	.9488	28
3661		Telephone & telegraph apparatus	1	1	145.5	1.1445	100
3693		X-ray apparatus & tubes	2	1	169.9	7.6652	93

1980 (S&MM Est.)

FLORIDA (Dade. cont.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
3732		Boat building & repairing	22	6	115.8	5.1798	71
3841		Surgical & medical instruments	6	2	75.0	2.9109	93
3851		Ophthalmic goods	7	3	23.5	3.1438	83
De Soto		**All mfg.**	**2**	**1**	**13.6**	**.0008**	**82**
Dixie		**All mfg.**	**4**	**2**	**24.2**	**.0014**	**54**
Duval	**122**	**All mfg.**	**258**	**66**	**2,417.2**	**.1399**	**73**
2051		Bread, cake, & related products	8	4	61.2	.5455	78
2121		Cigars	1	1	47.9	14.8712	100
2631		Paperboard mills	2	2	193.7	1.8472	100
3731		Ship building & repairing	4	2	158.6	1.9392	97
Escambia	**208**	**All mfg.**	**54**	**14**	**1,192.7**	**.0690**	**88**
2621		Paper mills, except building paper	1	1	143.3	.7709	100
2824		Noncellulosic synthetic organic fibers	1	1	682.8	8.0347	100
Flagler		**All mfg.**	**2**	**1**	**15.9**	**.0009**	**55**
Franklin		**All mfg.**	**8**	**1**	**68.9**	**.0040**	**67**
Gadsden		**All mfg.**	**25**	**7**	**113.4**	**.0066**	**64**
Gilchrist		**All mfg.**	**1**		**.8**	**.0000**	**0**
Glades		**All mfg.**	**2**	**2**	**83.1**	**.0048**	**100**
Gulf		**All mfg.**	**5**	**3**	**183.7**	**.0106**	**93**
Hamilton		**All mfg.**	**5**	**1**	**37.5**	**.0022**	**14**
Hardee		**All mfg.**	**8**	**2**	**37.0**	**.0021**	**38**
Hendry		**All mfg.**	**4**	**1**	**34.9**	**.0020**	**52**
Hernando		**All mfg.**	**9**	**1**	**24.2**	**.0014**	**36**
Highlands		**All mfg.**	**16**	**3**	**55.6**	**.0032**	**35**
Hillsborough	**272**	**All mfg.**	**340**	**92**	**3,151.5**	**.1824**	**72**
2092		Fresh or frozen packaged seafoods	8	5	208.8	8.1882	95
2121		Cigars	12	5	47.5	14.7470	83
2874		Phosphatic fertilizers	4	3	422.3	11.9757	99
3411		Metal cans	5	4	166.7	1.9584	95
3443		Fabricated plate work (boiler shops)	4	2	68.4	.7736	95
3662		Radio & TV communication equipment	5	1	129.0	.5487	91
3691		Storage batteries	2	2	119.4	4.8721	100
3731		Ship building & repairing	5	2	54.2	.6627	82
Holmes		**All mfg.**	**5**	**3**	**21.1**	**.0012**	**85**
Indian River		**All mfg.**	**10**	**2**	**357.0**	**.0207**	**94**
3721		Aircraft	1	1	329.6	1.4436	100
Jackson		**All mfg.**	**20**	**6**	**118.2**	**.0068**	**49**
Jefferson		**All mfg.**	**4**		**25.8**	**.0015**	**0**
Lafayette		**All mfg.**	**1**		**3.9**	**.0002**	**0**
Lake		**All mfg.**	**40**	**11**	**297.0**	**.0172**	**73**
2037		Frozen fruits & vegetables	3	3	70.0	1.6615	100
Lee	**93**	**All mfg.**	**64**	**4**	**220.9**	**.0128**	**22**
Leon	**271**	**All mfg.**	**37**	**4**	**120.1**	**.0070**	**20**
Levy		**All mfg.**	**5**	**2**	**41.6**	**.0024**	**74**
Liberty		**All mfg.**	**3**	**1**	**11.8**	**.0007**	**59**
Madison		**All mfg.**	**8**	**4**	**113.8**	**.0066**	**88**
Manatee	**40**	**All mfg.**	**41**	**12**	**412.9**	**.0239**	**81**
2033		Canned fruits & vegetables	2	2	224.8	2.9050	100
Marion		**All mfg.**	**59**	**15**	**363.1**	**.0210**	**58**
2451		Mobile homes	7	3	68.5	2.0312	74
Martin		**All mfg.**	**15**	**6**	**156.3**	**.0090**	**87**
Monroe		**All mfg.**	**6**		**25.9**	**.0015**	**0**
Nassau	**122**	**All mfg.**	**10**	**5**	**298.9**	**.0173**	**95**
Okaloosa		**All mfg.**	**22**	**9**	**312.3**	**.0181**	**88**
3574		Calculating & accounting machines	1	1	91.4	5.8642	100
3662		Radio & TV communication equipment	4	4	144.0	.6125	100
Okeechobee		**All mfg.**	**7**		**40.3**	**.0023**	**0**
Orange	**201**	**All mfg.**	**204**	**52**	**1,690.4**	**.0978**	**73**
2033		Canned fruits & vegetables	6	6	81.7	1.0558	100
2037		Frozen fruits & vegetables	4	4	86.4	2.0508	100
3679		Electronic components n.e.c.	6	4	59.0	.7778	97
3761		Guided missiles & space vehicles	1	1	286.0	4.2397	100
Osceola	**201**	**All mfg.**	**7**	**3**	**99.6**	**.0058**	**93**
Palm Beach	**290**	**All mfg.**	**150**	**26**	**1,837.4**	**.1063**	**82**
2061		Raw cane sugar	6	6	228.5	48.1255	100
2711		Newspapers	9	2	125.6	.7809	90
3573		Electronic computing equipment	2	2	261.3	1.0808	100
3724		Aircraft engines & engine parts	2	1	677.5	6.2571	99
Pasco	**272**	**All mfg.**	**25**	**5**	**214.1**	**.0124**	**76**
2037		Frozen fruits & vegetables	2	2	126.4	3.0002	100
Pinellas	**272**	**All mfg.**	**282**	**60**	**1,622.9**	**.0939**	**68**
2751		Letterpress commercial printing	9	3	29.8	.5452	78
3662		Radio & TV communication equipment	8	2	303.7	1.2918	94
3699		Electrical equipment & supplies n.e.c.	1	1	59.9	7.6923	100
3732		Boat building & repairing	9	4	62.3	2.7867	84
3825		Electricity-measuring instruments	6	5	126.1	3.2385	99
Polk	**141**	**All mfg.**	**175**	**61**	**2,872.6**	**.1663**	**86**
2033		Canned fruits & vegetables	9	7	184.8	2.3881	97
2037		Frozen fruits & vegetables	12	9	398.9	9.4683	98
2874		Phosphatic fertilizers	9	9	1,152.3	32.6773	100
3721		Aircraft	1	1	142.6	.6246	100
Putnam		**All mfg.**	**17**	**7**	**347.4**	**.0201**	**90**
2621		Paper mills, except building paper	1	1	131.5	.7074	100
St. Johns	**122**	**All mfg.**	**13**	**8**	**117.1**	**.0068**	**85**
St. Lucie		**All mfg.**	**17**	**4**	**114.5**	**.0066**	**67**
Santa Rosa	**208**	**All mfg.**	**7**	**4**	**199.7**	**.0116**	**92**
Sarasota	**253**	**All mfg.**	**92**	**18**	**406.8**	**.0235**	**63**
3662		Radio & TV communication equipment	4	3	92.6	.3939	96
Seminole	**201**	**All mfg.**	**66**	**16**	**391.6**	**.0227**	**59**
3679		Electronic components n.e.c.	7	4	47.1	.6209	91
Sumter		**All mfg.**	**3**		**18.8**	**.0011**	**0**
Suwannee		**All mfg.**	**10**	**2**	**99.1**	**.0057**	**71**
Taylor		**All mfg.**	**12**	**3**	**201.7**	**.0117**	**80**
2611		Pulp mills	1	1	141.3	4.6282	100
Union		**All mfg.**	**3**	**1**	**13.2**	**.0008**	**22**
Volusia	**71**	**All mfg.**	**57**	**16**	**327.9**	**.0190**	**67**
Wakulla	**271**	**All mfg.**	**5**	**1**	**29.8**	**.0017**	**56**
Walton		**All mfg.**	**8**	**2**	**92.3**	**.0053**	**57**
Washington		**All mfg.**	**2**		**6.4**	**.0004**	**0**
State Total		**All mfg.**	**3,738**	**893**	**30,858.6**	**1.7860**	**72**

GEORGIA

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Appling		**All mfg.**	**13**	**4**	**55.2**	**.0032**	**42**
Atkinson		**All mfg.**	**5**		**7.4**	**.0004**	**0**
Bacon		**All mfg.**	**5**	**3**	**66.1**	**.0038**	**64**
Baker		**All mfg.**	**1**	**1**	**4.4**	**.0003**	**100**
Baldwin		**All mfg.**	**13**	**7**	**204.0**	**.0118**	**90**
Banks		**All mfg.**	**8**	**3**	**240.7**	**.0139**	**94**
2016		Poultry-dressing plants	2	2	205.9	2.8771	100
Barrow		**All mfg.**	**21**	**13**	**256.1**	**.0148**	**92**
2328		Men's & boys' work clothing	5	4	56.5	1.1914	94
Bartow		**All mfg.**	**42**	**17**	**597.2**	**.0346**	**84**
2272		Tufted carpets & rugs	15	6	277.9	5.4527	85
Ben Hill		**All mfg.**	**20**	**6**	**157.3**	**.0091**	**65**
Berrien		**All mfg.**	**6**	**2**	**56.2**	**.0033**	**81**
2211		Cotton-weaving mills	1	1	33.2	.6331	100
Bibb	**162**	**All mfg.**	**107**	**38**	**997.9**	**.0578**	**73**
2661		Building-paper & building-board mills	1	1	36.1	5.9699	100
Bleckley		**All mfg.**	**6**	**2**	**50.9**	**.0029**	**74**
Brantley		**All mfg.**	**1**		**1.0**	**.0001**	**0**
Brooks		**All mfg.**	**6**	**4**	**42.0**	**.0024**	**94**
Bryan	**254**	**All mfg.**	**4**	**1**	**10.7**	**.0006**	**32**
Bulloch		**All mfg.**	**21**	**6**	**135.1**	**.0078**	**51**
Burke		**All mfg.**	**15**	**7**	**101.1**	**.0059**	**75**
Butts	**19**	**All mfg.**	**7**	**3**	**39.1**	**.0023**	**73**
Calhoun		**All mfg.**	**7**	**2**	**44.3**	**.0026**	**19**
Camden		**All mfg.**	**8**	**3**	**173.8**	**.0101**	**91**
Candler		**All mfg.**	**5**	**1**	**24.6**	**.0014**	**28**
Carroll		**All mfg.**	**44**	**20**	**838.8**	**.0485**	**94**
2311		Men's & boys' suits & coats	3	3	83.3	2.2962	100
3357		Nonferrous-wire drawing & insulating	1	1	493.3	5.2850	100

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1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
GEORGIA (cont.)							
Catoosa	**54**	**All mfg.**	**6**	**3**	**246.8**	**.0143**	**98**
2272		Tufted carpets & rugs	2	2	234.4	4.5991	100
Charlton		**All mfg.**	**4**	**1**	**10.8**	**.0006**	**31**
Chatham	**254**	**All mfg.**	**92**	**39**	**2,022.8**	**.1171**	**90**
2631		Paperboard mills	2	2	192.5	1.8358	100
2643		Bags, except textile bags	2	1	256.6	5.8772	98
3715		Truck trailers	1	1	61.0	3.7118	100
Chattahoochee	**63**	**All mfg.**	**1**		**1.6**	**.0001**	**0**
Chattooga		**All mfg.**	**13**	**5**	**226.5**	**.0131**	**92**
2211		Cotton-weaving mills	1	1	87.0	1.6589	100
Cherokee	**19**	**All mfg.**	**17**	**3**	**111.4**	**.0064**	**71**
Clarke	**18**	**All mfg.**	**59**	**27**	**603.3**	**.0349**	**85**
2017		Poultry & egg processing	2	2	31.3	2.9220	100
3612		Transformers	1	1	61.8	2.0733	100
Clay		**All mfg.**	**2**		**6.2**	**.0004**	**0**
Clayton	**19**	**All mfg.**	**49**	**12**	**348.2**	**.0202**	**67**
Clinch		**All mfg.**	**4**	**1**	**30.5**	**.0018**	**66**
Cobb	**19**	**All mfg.**	**91**	**20**	**1,560.6**	**.0903**	**86**
3721		Aircraft	1	1	1,084.5	4.7500	100
Coffee		**All mfg.**	**23**	**6**	**241.1**	**.0140**	**73**
2016		Poultry-dressing plants	2	2	128.7	1.7983	100
Colquitt		**All mfg.**	**35**	**14**	**296.0**	**.0171**	**65**
Columbia	**21**	**All mfg.**	**6**	**4**	**55.7**	**.0032**	**90**
Cook		**All mfg.**	**7**	**4**	**99.7**	**.0058**	**94**
Coweta		**All mfg.**	**24**	**13**	**402.7**	**.0233**	**90**
3354		Aluminum extruded products	1	1	153.2	5.2871	100
Crawford		**All mfg.**	**3**		**9.9**	**.0006**	**0**
Crisp		**All mfg.**	**23**	**5**	**122.2**	**.0071**	**48**
Dade	**54**	**All mfg.**	**6**	**1**	**29.6**	**.0017**	**18**
Dawson		**All mfg.**	**3**	**2**	**20.6**	**.0012**	**88**
Decatur		**All mfg.**	**27**	**11**	**273.1**	**.0158**	**72**
De Kalb	**19**	**All mfg.**	**426**	**111**	**5,536.2**	**.3204**	**82**
2099		Food preparations n.e.c.	5	3	118.4	1.4706	92
2211		Cotton-weaving mills	2	2	33.0	.6293	100
2649		Converted paper products n.e.c.	1	1	76.9	4.0102	100
2711		Newspapers	4	1	109.2	.6789	94
2752		Lithographic commercial printing	16	3	158.4	1.3455	72
2842		Polishes & sanitation goods	13	7	281.3	6.4061	88
3079		Miscellaneous plastics products	21	7	111.6	.4354	70
3613		Switchgear & switchboard apparatus	10	5	68.9	1.4791	72
3644		Non-current-carrying wiring devices	2	1	77.1	4.3897	98
3711		Motor vehicles & passenger-car bodies	2	2	2,109.6	3.1379	100
3714		Motor-vehicle parts & accessories	8	2	92.2	.2924	77
Dodge		**All mfg.**	**7**	**3**	**64.9**	**.0038**	**88**
Dooly		**All mfg.**	**5**	**4**	**59.5**	**.0034**	**98**
Dougherty	**3**	**All mfg.**	**45**	**15**	**1,056.3**	**.0611**	**87**
2082		Malt beverages	1	1	262.8	3.0413	100
2283		Wool-yarn mills	1	1	16.3	7.8028	100
3011		Tires & inner tubes	1	1	167.0	1.6331	100
Douglas	**19**	**All mfg.**	**10**		**15.1**	**.0009**	**0**
Early		**All mfg.**	**6**	**3**	**197.8**	**.0114**	**96**
Effingham	**254**	**All mfg.**	**7**	**1**	**43.1**	**.0025**	**20**
Elbert		**All mfg.**	**39**	**7**	**110.0**	**.0064**	**49**
3281		Cut stone & stone products	29	2	31.2	5.2279	21
Emanuel		**All mfg.**	**20**	**10**	**96.8**	**.0056**	**74**
Evans		**All mfg.**	**11**	**2**	**83.1**	**.0048**	**65**
Fannin		**All mfg.**	**4**	**3**	**40.6**	**.0023**	**93**
Fayette	**19**	**All mfg.**	**16**	**5**	**127.0**	**.0074**	**68**
Floyd		**All mfg.**	**53**	**19**	**917.9**	**.0531**	**84**
2221		Synthetics- & silk-weaving mills	1	1	112.8	1.5398	100
2272		Tufted carpets & rugs	5	1	230.0	4.5128	87
2281		Yarn-spinning mills, except wool	1	1	98.4	2.2277	100
3612		Transformers	1	1	58.2	1.9525	100
Forsyth	**19**	**All mfg.**	**9**	**4**	**73.0**	**.0042**	**71**
2327		Men's & boys' separate trousers	1	1	22.5	1.0323	100
Franklin		**All mfg.**	**16**	**8**	**84.7**	**.0049**	**64**
Fulton	**19**	**All mfg.**	**310**	**78**	**3,119.2**	**.1805**	**74**
2026		Fluid milk	4	3	182.4	1.0842	97
2052		Cookies & crackers	2	1	88.0	2.5879	93
2321		Men's & boys' shirts & nightwear	1	1	29.8	.8085	100
2751		Letterpress commercial printing	14	2	52.8	.9660	69
3221		Glass containers	1	1	54.0	1.9261	100
3312		Blast furnaces & steel mills	1	1	145.0	.2868	100
3711		Motor vehicles & passenger-car bodies	1	1	662.2	.9850	100
Gilmer		**All mfg.**	**12**	**7**	**123.8**	**.0072**	**79**
Glascock		**All mfg.**	**2**		**4.8**	**.0003**	**0**
Glynn		**All mfg.**	**31**	**13**	**564.2**	**.0327**	**89**
2092		Fresh or frozen packaged seafoods	5	4	157.5	6.1765	95
2631		Paperboard mills	2	2	184.0	1.7547	100
Gordon		**All mfg.**	**49**	**22**	**492.9**	**.0285**	**77**
2272		Tufted carpets & rugs	25	12	354.4	6.9537	81
Grady		**All mfg.**	**12**	**7**	**198.1**	**.0115**	**83**
Greene		**All mfg.**	**15**	**3**	**75.2**	**.0044**	**60**
Gwinnett	**19**	**All mfg.**	**84**	**20**	**868.7**	**.0503**	**80**
3357		Nonferrous-wire drawing & insulating	1	1	386.2	4.1376	100
Habersham		**All mfg.**	**20**	**9**	**212.8**	**.0123**	**89**
Hall		**All mfg.**	**63**	**28**	**795.2**	**.0460**	**74**
2016		Poultry-dressing plants	7	5	223.3	3.1202	96
2211		Cotton-weaving mills	3	3	79.0	1.5064	100
Hancock		**All mfg.**	**3**	**1**	**11.3**	**.0007**	**61**
Haralson		**All mfg.**	**20**	**11**	**191.2**	**.0111**	**80**
2311		Men's & boys' suits & coats	3	3	80.7	2.2245	100
2327		Men's & boys' separate trousers	4	3	22.9	1.0506	93
Harris		**All mfg.**	**5**	**2**	**22.1**	**.0013**	**52**
Hart		**All mfg.**	**14**	**8**	**116.9**	**.0068**	**90**
Heard		**All mfg.**	**3**	**2**	**37.1**	**.0021**	**95**
Henry	**19**	**All mfg.**	**13**	**4**	**76.0**	**.0044**	**75**
Houston	**162**	**All mfg.**	**9**	**6**	**137.3**	**.0079**	**96**
Irwin		**All mfg.**	**5**	**1**	**21.6**	**.0013**	**20**
Jackson		**All mfg.**	**11**	**9**	**99.5**	**.0058**	**92**
Jasper		**All mfg.**	**6**	**4**	**71.4**	**.0041**	**96**
Jeff Davis		**All mfg.**	**11**	**6**	**86.1**	**.0050**	**86**
2299		Textile goods n.e.c.	1	1	28.6	10.7478	100
Jefferson		**All mfg.**	**23**	**10**	**185.1**	**.0107**	**79**
Jenkins		**All mfg.**	**6**	**3**	**30.5**	**.0018**	**62**
Johnson		**All mfg.**	**9**	**3**	**44.9**	**.0026**	**45**
Jones	**162**	**All mfg.**	**2**	**1**	**14.0**	**.0008**	**91**
Lamar		**All mfg.**	**6**	**5**	**135.7**	**.0079**	**98**
2254		Knit-underwear mills	1	1	40.8	5.5952	100
Lanier		**All mfg.**	**1**	**1**	**2.2**	**.0001**	**100**
Laurens		**All mfg.**	**22**	**11**	**253.2**	**.0147**	**76**
2231		Wool-fabric weaving & finishing mills	1	1	26.3	3.8992	100
2321		Men's & boys' shirts & nightwear	2	2	30.6	.8302	100
Lee	**3**	**All mfg.**	**1**	**1**	**8.9**	**.0005**	**100**
Liberty		**All mfg.**	**6**	**3**	**63.8**	**.0037**	**82**
Lincoln		**All mfg.**	**5**	**2**	**30.6**	**.0018**	**40**
Long		**All mfg.**	**1**		**2.7**	**.0002**	**0**
Lowndes		**All mfg.**	**32**	**9**	**473.8**	**.0274**	**81**
Lumpkin		**All mfg.**	**3**	**1**	**30.0**	**.0017**	**72**
McDuffie		**All mfg.**	**14**	**6**	**92.1**	**.0053**	**77**
3021		Rubber & plastic footwear	1	1	29.5	5.0068	100
McIntosh		**All mfg.**	**3**	**1**	**20.4**	**.0012**	**45**
Macon		**All mfg.**	**7**	**3**	**75.3**	**.0044**	**86**
Madison	**18**	**All mfg.**	**6**	**4**	**28.2**	**.0016**	**78**
Marion		**All mfg.**	**2**	**1**	**6.3**	**.0004**	**65**
Meriwether		**All mfg.**	**17**	**7**	**182.5**	**.0106**	**87**
3964		Needles, pins, & fasteners	1	1	50.6	6.4148	100
Miller		**All mfg.**	**1**		**1.3**	**.0001**	**0**
Mitchell		**All mfg.**	**18**	**7**	**116.1**	**.0067**	**68**
Monroe		**All mfg.**	**10**	**7**	**76.8**	**.0044**	**85**
Montgomery		**All mfg.**	**5**	**3**	**24.1**	**.0014**	**88**
Morgan		**All mfg.**	**9**	**3**	**42.6**	**.0025**	**77**

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County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Murray		All mfg.	21	9	209.7	.0121	74
2272		Tufted carpets & rugs	15	6	164.0	3.2178	72
Muscogee	63	All mfg.	87	38	1,299.1	.0752	87
2065		Confectionery products	1	1	93.4	1.6628	100
2211		Cotton-weaving mills	5	5	140.4	2.6772	100
2221		Synthetics- & silk-weaving mills	2	2	169.2	2.3098	100
2281		Yarn-spinning mills, except wool	4	2	56.1	1.2700	92
Newton	19	All mfg.	14	6	283.2	.0164	87
Oconee	18	All mfg.	2		3.3	.0002	0
Oglethorpe	18	All mfg.	2	1	6.6	.0004	55
Paulding	19	All mfg.	8	1	26.4	.0015	34
Peach		All mfg.	9	3	122.7	.0071	61
Pickens		All mfg.	6	4	33.6	.0019	89
Pierce		All mfg.	7	2	31.8	.0018	29
Pike		All mfg.	1	1	10.3	.0006	100
Polk		All mfg.	23	13	353.0	.0204	91
Pulaski		All mfg.	5	3	37.4	.0022	77
Putnam		All mfg.	6	2	56.1	.0032	63
Rabun		All mfg.	5	3	110.4	.0064	96
Randolph		All mfg.	8	2	38.9	.0023	48
Richmond	21	All mfg.	98	35	1,218.2	.0705	80
2211		Cotton-weaving mills	2	2	40.0	.7627	100
3255		Clay refractories	1	1	85.2	9.6774	100
Rockdale	19	All mfg.	30	10	285.0	.0165	74
3646		Commercial electric lighting fixtures	1	1	72.8	6.5385	100
Schley		All mfg.	5	1	17.3	.0010	52
Screven		All mfg.	9	4	75.7	.0044	79
Seminole		All mfg.	4		7.1	.0004	0
Spalding		All mfg.	31	10	243.2	.0141	71
2211		Cotton-weaving mills	4	4	113.7	2.1681	100
Stephens		All mfg.	28	12	321.4	.0186	81
2284		Thread mills	1	1	74.1	11.8106	100
Stewart		All mfg.	5	1	21.4	.0012	49
Sumter		All mfg.	25	7	152.0	.0088	60
Taliaferro		All mfg.	2		2.4	.0001	0
Tattnall		All mfg.	9	2	28.5	.0016	22
Taylor		All mfg.	2	1	31.0	.0018	98
Telfair		All mfg.	10	4	90.8	.0053	75
Terrell		All mfg.	5	4	79.3	.0046	94
Thomas		All mfg.	33	9	440.7	.0255	77
2011		Meat-packing plants	1	1	247.9	.6390	100
Tift		All mfg.	30	10	258.6	.0150	66
Toombs		All mfg.	16	8	107.5	.0062	83
Towns		All mfg.	2		3.3	.0002	0
Treutlen		All mfg.	2	1	8.1	.0005	74
Troup		All mfg.	51	19	440.0	.0255	77
2211		Cotton-weaving mills	5	5	48.9	.9324	100
Turner		All mfg.	6	4	38.2	.0022	91
Twiggs	162	All mfg.	6	3	58.9	.0034	85
3295		Ground or treated minerals & earths	4	2	39.6	3.0247	89
Union		All mfg.	4	1	18.4	.0011	50
Upson		All mfg.	15	9	402.8	.0233	90
2296		Tire cord & fabric	2	2	260.3	20.8457	100
Walker	54	All mfg.	41	21	350.8	.0203	85
2272		Tufted carpets & rugs	6	4	115.2	2.2603	95
Walton	19	All mfg.	20	13	193.0	.0112	86
Ware		All mfg.	40	10	231.6	.0134	48
Warren		All mfg.	5	4	51.1	.0030	87
Washington		All mfg.	17	8	85.8	.0050	59
Wayne		All mfg.	19	5	201.6	.0117	79
2611		Pulp mills	1	1	144.1	4.7199	100
Webster		All mfg.	2		8.3	.0005	0
Wheeler		All mfg.	1	1	6.4	.0004	100
White		All mfg.	6	3	30.3	.0018	65
Whitfield		All mfg.	140	45	1,750.6	.1013	81
2211		Cotton-weaving mills	5	2	34.8	.6636	85
2272		Tufted carpets & rugs	59	29	1,417.6	27.8146	90
Wilcox		All mfg.	3	1	15.8	.0009	51
Wilkes		All mfg.	14	6	90.5	.0052	67
Wilkinson		All mfg.	6	2	28.6	.0017	78
Worth		All mfg.	9	4	57.9	.0034	73
State Total		All mfg.	3,396	1,208	38,670.3	2.2381	80

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
IDAHO							
Ada	38	All mfg.	69	16	443.5	.0257	59
Adams		All mfg.	2	1	10.5	.0006	77
Bannock	216	All mfg.	21	7	532.0	.0308	86
3532		Mining machinery	1	1	66.3	2.3966	100
Bear Lake		All mfg.	2		9.0	.0005	0
Benewah		All mfg.	8	2	59.1	.0034	58
Bingham		All mfg.	11	5	147.7	.0085	80
2034		Dehydrated fruits, vegetables, & soups	4	4	100.1	7.4701	100
Blaine		All mfg.	1	1	7.0	.0004	100
Boise		All mfg.	2	2	35.1	.0020	100
Bonner		All mfg.	15	4	74.9	.0043	56
Bonneville		All mfg.	28	8	213.3	.0123	62
Boundary		All mfg.	3	2	25.5	.0015	94
Camas		All mfg.	1		2.9	.0002	0
Canyon		All mfg.	46	16	538.2	.0311	68
2034		Dehydrated fruits, vegetables, & soups	2	1	101.6	7.5821	95
2451		Mobile homes	3	3	73.3	2.1735	100
Caribou		All mfg.	4	2	140.8	.0081	90
Cassia		All mfg.	9	4	154.1	.0089	92
2037		Frozen fruits & vegetables	1	1	70.0	1.6615	100
Clearwater		All mfg.	7	1	100.3	.0058	47
Elmore		All mfg.	1		5.6	.0003	0
Franklin		All mfg.	3	1	12.9	.0007	49
Fremont		All mfg.	2		7.0	.0004	0
Gem		All mfg.	4	2	35.1	.0020	90
Gooding		All mfg.	1		18.5	.0011	0
Idaho		All mfg.	6	2	53.2	.0031	53
Jefferson		All mfg.	4	2	74.4	.0043	65
Jerome		All mfg.	5	2	72.8	.0042	86
Kootenai		All mfg.	20	9	213.8	.0124	77
2421		General sawmills & planing mills	6	6	107.3	.8609	100
Latah		All mfg.	7	1	29.8	.0017	37
Lewis		All mfg.	2		3.8	.0002	0
Lincoln		All mfg.	1		11.8	.0007	0
Madison		All mfg.	3	2	12.9	.0007	53
Minidoka		All mfg.	9	3	136.6	.0079	78
2034		Dehydrated fruits, vegetables, & soups	1	1	64.6	4.8209	100
Nez Perce		All mfg.	16	8	299.3	.0173	91
Payette		All mfg.	4	1	38.6	.0022	65
Power	216	All mfg.	3	1	58.9	.0034	89
Shoshone		All mfg.	8	3	269.4	.0156	94
Twin Falls		All mfg.	31	7	311.5	.0180	50
Valley		All mfg.	1	1	8.1	.0005	100
Washington		All mfg.	2	1	12.5	.0007	78
State Total		All mfg.	362	117	4,180.4	.2419	73

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1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants Total Plants	Number Of Plants Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
ILLINOIS							
Adams	**223**	**All mfg.**	**47**	**17**	**759.3**	**.0439**	**86**
2048		Prepared feeds n.e.c.	3	2	239.5	2.1219	98
3499		Fabricated metal products n.e.c.	2	2	91.8	2.1861	100
3563		Air & gas compressors	3	2	123.3	6.6448	96
Alexander		**All mfg.**	**9**	**2**	**76.0**	**.0044**	**76**
Bond		**All mfg.**	**6**	**2**	**65.8**	**.0038**	**84**
Boone	**235**	**All mfg.**	**17**	**8**	**1,133.2**	**.0656**	**97**
3711		Motor vehicles & passenger-car bodies	1	1	904.1	1.3448	100
Brown		**All mfg.**	**3**		**14.9**	**.0009**	**0**
Bureau		**All mfg.**	**26**	**8**	**190.7**	**.0110**	**68**
Carroll		**All mfg.**	**11**	**4**	**105.6**	**.0061**	**71**
Cass		**All mfg.**	**10**	**2**	**271.5**	**.0157**	**90**
Champaign	**50**	**All mfg.**	**48**	**16**	**1,021.8**	**.0591**	**79**
2079		Shortening & cooking oils n.e.c.	1	1	438.7	8.4213	100
Christian		**All mfg.**	**20**	**8**	**375.5**	**.0217**	**87**
Clark		**All mfg.**	**12**	**5**	**120.5**	**.0070**	**89**
Clay		**All mfg.**	**10**	**2**	**97.3**	**.0056**	**24**
Clinton	**240**	**All mfg.**	**9**	**2**	**37.1**	**.0021**	**40**
Coles		**All mfg.**	**48**	**23**	**598.8**	**.0347**	**86**
3641		Electric lamps	1	1	102.8	5.0635	100
Cook	**56**	**All mfg.**	**6,160**	**1,712**	**60,678.2**	**3.5118**	**79**
2011		Meat-packing plants	47	18	1,266.4	3.2641	77
2013		Sausages & other prepared meats	54	20	1,098.3	10.1846	80
2032		Canned food specialties	7	3	141.8	3.9939	84
2033		Canned fruits & vegetables	14	8	197.2	2.5483	91
2035		Pickles, sauces, & salad dressings	17	3	186.8	5.2296	57
2046		Wet corn milling	2	1	343.0	14.0603	99
2051		Bread, cake, & related products	52	25	551.0	4.9114	88
2052		Cookies & crackers	10	6	455.5	13.3955	96
2065		Confectionery products	57	23	1,247.3	22.2058	91
2067		Chewing gum	1	1	115.2	16.0044	100
2086		Bottled & canned soft drinks	17	7	349.3	2.6960	90
2087		Flavoring extracts & syrups n.e.c.	17	2	340.9	10.5369	60
2099		Food preparations n.e.c.	43	14	454.8	5.6489	69
2291		Felt goods, except woven felts & hats	10	3	55.3	27.4442	82
2311		Men's & boys' suits & coats	9	4	38.4	1.0585	76
2328		Men's & boys' work clothing	6	5	60.1	1.2673	98
2335		Women's & misses' dresses	21	4	84.6	1.5649	64
2391		Curtains & draperies	21	4	54.1	4.3977	52
2399		Fabricated textile products n.e.c.	19	3	56.1	4.0976	52
2431		Millwork	30	1	82.2	1.8988	35
2499		Wood products n.e.c.	33	6	95.1	3.2537	56
2511		Wood household furniture	28	7	73.7	1.5760	63
2514		Metal household furniture	18	9	120.5	8.4119	85
2515		Mattresses & bedsprings	24	8	106.4	6.4493	71
2541		Wood partitions & fixtures	19	6	128.7	10.3548	84
2542		Metal partitions & fixtures	16	3	77.2	5.1051	59
2591		Drapery hardware & blinds & shades	8	2	55.4	8.1965	85
2599		Furniture & fixtures n.e.c.	14	3	72.0	9.4451	62
2621		Paper mills, except building paper	8	5	142.0	.7639	85
2641		Paper coating & glazing	23	14	315.7	7.4099	86
2642		Envelopes	14	8	108.7	8.8446	85
2643		Bags, except textile bags	20	6	145.5	3.3326	69
2645		Die-cut paper & board	17	4	103.2	7.6581	58
2649		Converted paper products n.e.c.	23	6	72.7	3.7912	56
2651		Folding paperboard boxes	39	16	199.1	6.9676	78
2653		Corrugated & solid fiber boxes	59	25	500.6	5.9457	75
2654		Sanitary food containers	8	5	250.2	10.4998	95
2711		Newspapers	43	13	452.6	2.8139	84
2721		Periodicals	97	12	652.6	8.6661	56
2731		Book publishing	32	16	426.2	6.9863	87
2741		Miscellaneous publishing	29	14	232.2	10.2467	85
2751		Letterpress commercial printing	178	30	552.6	10.1101	69
2752		Lithographic commercial printing	149	31	1,002.0	8.5114	55
2753		Engraving & plate printing	13	3	37.0	11.0185	75
2761		Manifold business forms	15	2	168.2	4.5978	75
2771		Greeting-card publishing	14	5	85.4	6.1643	77
2782		Blankbooks & looseleaf binders	20	5	73.3	5.5984	51
2789		Bookbinding & related work	31	10	64.6	9.9400	70
2791		Typesetting	35	5	96.8	11.2545	50
2793		Photoengraving	20	3	35.4	13.1696	30
2819		Industrial inorganic chemicals n.e.c.	19	7	315.0	2.9251	81
2821		Plastics materials & synthetic resins	14	3	224.0	1.6334	65
2834		Pharmaceutical preparations	19	6	336.2	2.0275	83
2841		Soap & other detergents	22	4	489.5	6.1517	65
2842		Polishes & sanitation goods	41	10	339.6	7.7338	63
2844		Toilet preparations	34	12	935.0	10.1347	86
2851		Paints & allied products	65	21	947.3	11.1738	79
2869		Industrial organic chemicals n.e.c.	20	3	406.3	1.3472	48
2891		Adhesives & sealants	23	2	119.3	4.5527	31
2893		Printing ink	26	9	266.9	21.1859	72
2899		Chemical preparations n.e.c.	43	6	277.2	5.1989	41
2911		Petroleum refining	7	3	3,480.5	2.2253	91
2952		Asphalt felts & coatings	11	4	234.4	6.2711	75
2992		Lubricating oils & greases	22	8	333.8	11.1181	74
3069		Fabricated rubber products n.e.c.	40	12	131.0	2.8487	68
3079		Miscellaneous plastics products	247	60	1,201.6	4.6878	60
3111		Leather tanning & finishing	11	6	93.3	5.0299	84
3143		Men's nonathletic footwear	2	2	127.1	5.8225	100
3161		Luggage	15	3	54.2	6.7615	49
3199		Leather goods n.e.c.	12	7	36.3	11.0401	82
3229		Pressed & blown glass n.e.c.	13	3	40.1	2.4720	75
3231		Products of purchased glass	27	6	156.8	5.8344	52
3272		Concrete products n.e.c.	23	4	86.3	2.2136	57
3291		Abrasive products	14	5	152.1	6.2234	73
3293		Gaskets, packing, & sealing devices	19	7	338.1	17.4189	90
3312		Blast furnaces & steel mills	22	10	2,175.3	4.3021	97
3315		Steel wire & related products	10	5	180.1	6.6514	87
3316		Cold-rolled steel sheet, strip, & bars	29	12	307.7	9.4225	82
3317		Steel pipe & tubes	15	6	130.1	4.0651	81
3321		Gray-iron foundries	13	4	98.0	1.2021	73
3325		Steel foundries n.e.c.	12	6	67.8	2.6102	88
3341		Secondary nonferrous metals	19	9	454.5	9.1644	84
3353		Aluminum sheet, plate, & foil	2	1	745.6	8.8483	98
3361		Aluminum foundries	35	12	195.2	5.7126	63
3362		Brass, bronze, & copper foundries	15	3	41.0	4.8979	48
3369		Nonferrous foundries n.e.c.	20	3	42.6	3.7163	45
3399		Primary metal products n.e.c.	15	4	69.6	7.1775	67
3411		Metal cans	18	11	652.2	7.6620	95
3412		Metal shipping barrels, drums, & pails	13	3	80.5	8.5375	69
3423		Hand & edge tools n.e.c.	25	8	131.1	4.8100	75
3429		Hardware n.e.c.	39	12	279.6	4.4411	66
3432		Plumbing fittings & brass goods	9	5	79.4	5.7482	91
3433		Heating equipment, except electric	13	4	47.2	2.5649	69
3441		Fabricated structural metal	65	11	175.4	2.8461	52
3442		Metal doors, sash, & trim	49	5	115.2	2.9766	30
3443		Fabricated plate work (boiler shops)	28	3	138.5	1.5664	52
3444		Sheet-metal work	67	20	305.6	5.3008	73
3446		Architectural & ornamental metal work	14	4	92.7	8.2064	77
3449		Miscellaneous metal work	23	3	62.6	4.1298	35
3451		Screw-machine products	88	8	204.3	9.7027	28
3452		Bolts, nuts, rivets, & washers	70	20	411.9	10.4806	74
3462		Iron & steel forgings	45	14	399.6	11.4963	82
3465		Automotive stampings	3	3	913.9	7.4288	100
3466		Crowns & closures	9	3	144.7	19.7867	87
3469		Metal stampings n.e.c.	100	25	483.2	8.5809	67
3471		Plating & polishing	102	10	185.8	8.7054	28
3479		Metal coating & allied services n.e.c.	45	7	143.4	7.3287	48
3493		Steel springs, except wire	14	6	76.3	12.7252	77
3494		Valves & pipe fittings	29	13	376.7	5.4479	88
3495		Wire springs	17	7	121.8	11.9764	81
3496		Miscellaneous fabricated wire products	62	10	98.3	5.4490	39
3499		Fabricated metal products n.e.c.	59	11	212.1	5.0510	49

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
ILLINOIS (Cook, cont.)							
3519		Internal-combustion engines n.e.c.	1	1	127.7	1.3738	100
3523		Farm machinery & equipment	6	2	215.5	1.9517	93
3531		Construction machinery	11	5	682.9	4.2030	96
3535		Conveyors & conveying equipment	15	4	72.4	2.9383	55
3536		Hoists, industrial cranes, & monorails	5	1	50.5	4.6035	81
3537		Industrial trucks & tractors	15	7	123.0	4.9255	88
3541		Metal-cutting machine tools	39	8	80.3	3.4010	54
3542		Metal-forming machine tools	26	10	192.1	20.6249	89
3544		Special dies, tools, jigs, & fixtures	175	13	205.0	6.6412	26
3545		Machine-tool accessories	29	8	145.1	7.4106	81
3546		Power-driven hand tools	6	5	70.3	7.0279	98
3551		Food-products machinery	39	12	208.2	6.6874	64
3553		Woodworking machinery	6	1	150.5	8.6079	89
3555		Printing-trades machinery	45	9	258.6	11.4364	58
3559		Special-industry machinery n.e.c.	38	14	237.9	3.7590	71
3561		Pumps & pumping equipment	26	9	142.4	4.2287	83
3564		Blowers & exhaust & ventilation fans	17	3	38.8	3.0801	57
3566		Speed changers, drives, & gears	14	6	102.8	10.0962	84
3567		Industrial-process furnaces & ovens	19	5	60.8	9.4366	77
3568		Power-transmission equipment n.e.c.	30	14	117.0	8.7366	80
3569		General industrial machinery n.e.c.	39	12	259.8	11.9185	87
3579		Office machines n.e.c.	26	16	570.5	25.4018	94
3581		Automatic merchandising machines	10	3	81.1	11.9722	83
3585		Refrigeration & heating equipment	20	7	287.8	1.5626	77
3589		Service-industry machinery n.e.c.	26	5	168.1	5.6108	62
3599		Machinery, except electrical, n.e.c.	164	16	569.8	5.1813	36
3612		Transformers	20	10	221.7	7.4376	91
3613		Switchgear & switchboard apparatus	34	12	486.1	10.4354	88
3621		Motors & generators	24	10	154.5	2.6038	80
3622		Industrial controls	21	9	128.2	4.0322	79
3633		Household laundry equipment	3	2	311.8	13.7454	98
3634		Electric housewares & fans	15	5	204.2	6.2150	85
3636		Sewing machines	6	3	135.6	34.6537	97
3639		Household appliances n.e.c.	1	1	129.4	8.4686	100
3643		Current-carrying wiring devices	19	9	88.6	4.4088	86
3644		Non-current-carrying wiring devices	9	5	280.1	15.9474	95
3645		Residential electric lighting fixtures	21	6	97.6	8.4102	67
3646		Commercial electric lighting fixtures	13	6	121.9	10.9484	85
3648		Lighting equipment n.e.c.	25	10	118.8	14.1834	74
3651		Radio & TV receiving sets	28	16	864.2	12.7869	95
3661		Telephone & telegraph apparatus	8	5	1,829.7	14.3921	99
3662		Radio & TV communication equipment	42	19	613.0	2.6074	88
3672		Cathode-ray TV picture tubes	1	1	189.7	17.8189	100
3677		Electronic coils & transformers	19	9	89.2	12.7666	82
3678		Electronic connectors	8	7	291.5	17.7311	99
3679		Electronic components n.e.c.	55	16	243.9	3.2153	75
3693		X-ray apparatus & tubes	13	8	290.2	13.0927	89
3694		Engine electrical equipment	11	6	117.9	2.6339	88
3699		Electrical equipment & supplies n.e.c.	14	2	43.7	5.6119	46
3711		Motor vehicles & passenger-car bodies	3	3	909.0	1.3521	100
3714		Motor-vehicle parts & accessories	54	16	522.8	1.6580	78
3743		Railroad equipment	22	11	1,160.6	19.8495	97
3751		Motorcycles, bicycles, & parts	3	2	156.2	12.9788	99
3811		Engineering & scientific instruments	22	6	156.3	5.6725	75
3822		Environmental controls	12	7	169.0	9.2837	95
3823		Industrial process-control instruments	9	4	71.6	3.0297	79
3825		Electricity-measuring instruments	15	9	221.3	5.6834	94
3829		Measuring & controlling devices n.e.c.	15	9	122.0	7.2339	89
3841		Surgical & medical instruments	16	5	112.8	4.3780	76
3842		Surgical appliances & supplies	22	7	245.8	6.5393	85
3843		Dental equipment & supplies	18	6	126.3	11.1043	79
3851		Ophthalmic goods	9	5	28.3	3.7860	88
3861		Photographic equipment & supplies	51	16	1,184.7	7.7559	79
3931		Musical instruments & parts	16	5	116.1	10.7084	86
3944		Games, toys, & children's vehicles	18	10	149.3	4.6191	89
3949		Sporting & athletic goods n.e.c.	22	6	68.2	2.4897	66
3953		Marking devices	17	3	34.9	12.4955	49
3993		Signs & advertising displays	87	16	225.8	11.5700	53
3999		Manufactures n.e.c.	51	10	429.3	14.5872	82
Crawford		**All mfg.**	**18**	**7**	**1,309.7**	**.0758**	**92**
Cumberland		**All mfg.**	**4**	**2**	**18.2**	**.0011**	**80**
De Kalb		**All mfg.**	**47**	**16**	**556.3**	**.0322**	**83**
3661		Telephone & telegraph apparatus	1	1	97.0	.7630	100
De Witt		**All mfg.**	**7**	**3**	**68.6**	**.0040**	**87**
Douglas		**All mfg.**	**13**	**5**	**297.4**	**.0172**	**89**
Du Page	**56**	**All mfg.**	**600**	**149**	**4,560.0**	**.2639**	**72**
2043		Cereal breakfast foods	2	2	207.2	6.7371	100
2751		Letterpress commercial printing	21	3	30.9	.5653	35
2752		Lithographic commercial printing	16	3	146.8	1.2470	58
3079		Miscellaneous plastics products	41	12	226.8	.8848	69
3499		Fabricated metal products n.e.c.	10	4	60.2	1.4336	76
3573		Electronic computing equipment	4	3	193.6	.8008	98
3599		Machinery, except electrical, n.e.c.	16	3	116.3	1.0575	76
3661		Telephone & telegraph apparatus	4	2	355.2	2.7939	98
3713		Truck & bus bodies	1	1	48.0	1.5980	100
3811		Engineering & scientific instruments	4	2	51.0	1.8509	95
Edgar		**All mfg.**	**14**	**8**	**170.3**	**.0099**	**94**
Edwards		**All mfg.**	**4**	**3**	**39.7**	**.0023**	**98**
Effingham		**All mfg.**	**24**	**7**	**417.4**	**.0242**	**83**
2752		Lithographic commercial printing	1	1	111.2	.9446	100
3585		Refrigeration & heating equipment	2	2	222.5	1.2854	100
Fayette		**All mfg.**	**13**	**4**	**87.0**	**.0050**	**65**
Ford		**All mfg.**	**17**	**9**	**150.4**	**.0087**	**90**
Franklin		**All mfg.**	**10**	**2**	**40.4**	**.0023**	**45**
Fulton		**All mfg.**	**10**	**4**	**225.1**	**.0130**	**82**
3523		Farm machinery & equipment	1	1	166.2	1.5052	100
Gallatin		**All mfg.**	**4**	**1**	**20.7**	**.0012**	**54**
Greene		**All mfg.**	**3**	**2**	**22.7**	**.0013**	**54**
Grundy		**All mfg.**	**25**	**9**	**369.5**	**.0214**	**79**
Hamilton		**All mfg.**	**4**	**1**	**12.6**	**.0007**	**37**
Hancock		**All mfg.**	**10**	**2**	**40.4**	**.0023**	**19**
Henry	**69**	**All mfg.**	**30**	**8**	**263.4**	**.0152**	**67**
Iroquois		**All mfg.**	**21**	**6**	**217.0**	**.0126**	**77**
Jackson		**All mfg.**	**15**	**6**	**144.6**	**.0084**	**63**
Jasper		**All mfg.**	**4**	**1**	**8.6**	**.0005**	**38**
Jefferson		**All mfg.**	**15**	**4**	**119.2**	**.0069**	**72**
Jersey		**All mfg.**	**2**	**1**	**10.7**	**.0006**	**77**
Jo Daviess		**All mfg.**	**18**	**4**	**158.4**	**.0092**	**49**
Johnson		**All mfg.**	**1**		**1.8**	**.0001**	**0**
Kane	**56**	**All mfg.**	**348**	**110**	**3,658.9**	**.2118**	**80**
2335		Women's & misses' dresses	1	1	63.2	1.1691	100
2522		Metal office furniture	2	2	62.9	3.8906	100
2542		Metal partitions & fixtures	6	4	93.8	6.2029	89
3079		Miscellaneous plastics products	29	7	147.8	.5766	55
3293		Gaskets, packing, & sealing devices	4	3	122.6	6.3163	98
3494		Valves & pipe fittings	3	3	69.7	1.0080	100
3531		Construction machinery	2	2	178.0	1.0955	100
3537		Industrial trucks & tractors	3	1	297.3	11.9053	98
3544		Special dies, tools, jigs, & fixtures	9	3	41.3	1.3380	79
3561		Pumps & pumping equipment	3	2	59.5	1.7669	95
3592		Carburetors, pistons, rings, & valves	1	1	86.4	3.5622	100
3622		Industrial controls	5	1	59.9	1.8840	91
3631		Household cooking equipment	1	1	129.2	6.5085	100
3661		Telephone & telegraph apparatus	1	1	161.7	1.2719	100
Kankakee	**130**	**All mfg.**	**60**	**28**	**1,444.1**	**.0836**	**92**
2047		Pet food	1	1	300.7	7.8110	100
2512		Upholstered wood household furniture	2	2	55.1	1.7277	100
3524		Lawn & garden equipment	1	1	67.4	3.9645	100
Kendall		**All mfg.**	**17**	**5**	**93.8**	**.0054**	**61**
Knox		**All mfg.**	**26**	**10**	**635.6**	**.0368**	**79**
3519		Internal-combustion engines n.e.c.	1	1	191.5	2.0602	100
Lake	**56**	**All mfg.**	**249**	**87**	**3,558.1**	**.2059**	**87**
2038		Frozen food specialties	1	1	171.2	4.0313	100

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
2834		Pharmaceutical preparations	2	2	679.6	4.0983	100
2952		Asphalt felts & coatings	1	1	193.7	5.1822	100
3079		Miscellaneous plastics products	19	6	101.9	.3975	64
3429		Hardware n.e.c.	3	2	79.5	1.2627	92
3519		Internal-combustion engines n.e.c.	1	1	510.5	5.4921	100
3531		Construction machinery	3	3	401.7	2.4723	100
La Salle		**All mfg.**	**97**	**39**	**1,105.8**	**.0640**	**82**
3211		Flat glass	1	1	135.9	5.6886	100
3221		Glass containers	2	2	117.0	4.1732	100
3714		Motor-vehicle parts & accessories	6	5	130.2	.4129	98
Lawrence		**All mfg.**	**5**	**3**	**963.0**	**.0557**	**99**
Lee		**All mfg.**	**26**	**8**	**183.2**	**.0106**	**61**
Livingston		**All mfg.**	**28**	**13**	**195.7**	**.0113**	**67**
Logan		**All mfg.**	**13**	**9**	**242.1**	**.0140**	**92**
McDonough		**All mfg.**	**18**	**8**	**180.3**	**.0104**	**79**
McHenry	**56**	**All mfg.**	**167**	**53**	**1,079.0**	**.0624**	**69**
3369		Nonferrous foundries n.e.c.	3	2	32.4	2.8265	96
3499		Fabricated metal products n.e.c.	6	2	54.9	1.3074	84
3622		Industrial controls	4	4	66.1	2.0790	100
3679		Electronic components n.e.c.	6	3	34.8	.4588	84
McLean	**36**	**All mfg.**	**44**	**14**	**529.4**	**.0306**	**80**
3622		Industrial controls	1	1	56.4	1.7739	100
3635		Household vacuum cleaners	1	1	208.9	24.9344	100
Macon	**72**	**All mfg.**	**63**	**26**	**3,089.4**	**.1788**	**96**
2046		Wet corn milling	2	2	484.8	19.8729	100
3011		Tires & inner tubes	1	1	245.1	2.3969	100
3322		Malleable-iron foundries	2	1	44.8	5.6551	97
3494		Valves & pipe fittings	2	2	67.2	.9719	100
3531		Construction machinery	1	1	565.8	3.4823	100
3651		Radio & TV receiving sets	1	1	171.7	2.5405	100
Macoupin		**All mfg.**	**14**	**4**	**63.9**	**.0037**	**39**
Madison	**240**	**All mfg.**	**95**	**39**	**7,470.8**	**.4324**	**98**
2911		Petroleum refining	3	3	4,425.4	2.8294	100
3221		Glass containers	1	1	114.8	4.0947	100
3312		Blast furnaces & steel mills	2	2	1,159.5	2.2932	100
3325		Steel foundries n.e.c.	2	2	69.7	2.6833	100
3351		Copper rolling & drawing	1	1	526.1	9.3066	100
3482		Small-arms ammunition	1	1	141.0	27.0789	100
Marion		**All mfg.**	**37**	**13**	**357.4**	**.0207**	**72**
Marshall		**All mfg.**	**8**	**2**	**66.3**	**.0038**	**79**
Mason		**All mfg.**	**12**		**58.7**	**.0034**	**0**
Massac		**All mfg.**	**5**	**3**	**65.6**	**.0038**	**94**
Menard	**263**	**All mfg.**	**3**	**1**	**12.2**	**.0007**	**26**
Mercer		**All mfg.**	**3**		**8.0**	**.0005**	**0**
Monroe	**240**	**All mfg.**	**4**	**1**	**48.4**	**.0028**	**73**
Montgomery		**All mfg.**	**21**	**8**	**154.8**	**.0090**	**67**
Morgan		**All mfg.**	**15**	**8**	**339.8**	**.0197**	**90**
Moultrie		**All mfg.**	**9**	**1**	**24.6**	**.0014**	**14**
Ogle		**All mfg.**	**36**	**17**	**343.6**	**.0199**	**80**
2283		Wool-yarn mills	1	1	13.4	6.4146	100
Peoria	**209**	**All mfg.**	**123**	**23**	**1,979.3**	**.1146**	**83**
2085		Distilled liquor, except brandy	1	1	179.8	6.0904	100
3312		Blast furnaces & steel mills	1	1	289.8	.5731	100
3321		Gray-iron foundries	2	1	181.7	2.2287	99
3519		Internal-combustion engines n.e.c.	1	1	319.0	3.4319	100
3531		Construction machinery	4	2	210.7	1.2968	97
Perry		**All mfg.**	**15**	**9**	**213.8**	**.0124**	**89**
Piatt		**All mfg.**	**4**	**1**	**42.6**	**.0025**	**56**
Pike		**All mfg.**	**9**	**1**	**54.7**	**.0032**	**19**
Pulaski		**All mfg.**	**3**		**13.9**	**.0008**	**0**
Putnam		**All mfg.**	**5**	**3**	**105.0**	**.0061**	**97**
Randolph		**All mfg.**	**9**	**3**	**215.4**	**.0125**	**88**
Richland		**All mfg.**	**9**	**4**	**159.9**	**.0093**	**85**
3944		Games, toys, & children's vehicles	1	1	107.8	3.3352	100
Rock Island	**69**	**All mfg.**	**91**	**41**	**2,150.3**	**.1245**	**94**
3321		Gray-iron foundries	2	2	78.0	.9567	100

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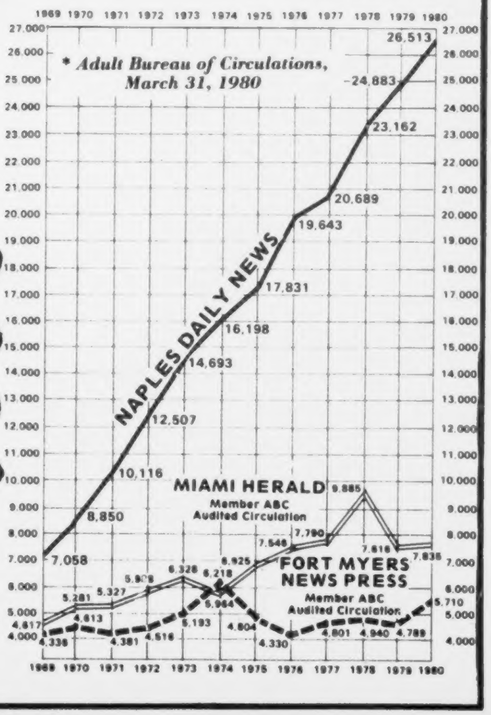

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ILLINOIS (Rock Island, cont.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	1980 (S&MM Est.) Total Shipments ($Mil.)	1980 (S&MM Est.) % Of U.S. Shipments	1980 (S&MM Est.) % In Large Plants
3489		Ordnance & accessories n.e.c.	1	1	54.8	6.6821	100
3523		Farm machinery & equipment	4	4	1,204.0	10.9044	100
St. Clair	**240**	**All mfg.**	**94**	**29**	**1,547.2**	**.0895**	**81**
2011		Meat-packing plants	5	2	372.6	.9604	88
2865		Cyclic crudes & intermediates	1	1	300.6	4.4326	100
Saline		**All mfg.**	**11**	**3**	**44.4**	**.0026**	**44**
Sangamon	**263**	**All mfg.**	**61**	**13**	**782.7**	**.0453**	**81**
3531		Construction machinery	1	1	316.8	1.9498	100
Schuyler		**All mfg.**	**2**		**20.4**	**.0012**	**0**
Scott		**All mfg.**	**2**		**3.9**	**.0002**	**0**
Shelby		**All mfg.**	**8**	**1**	**43.3**	**.0025**	**56**
Stark		**All mfg.**	**6**		**26.9**	**.0016**	**0**
Stephenson		**All mfg.**	**32**	**11**	**431.3**	**.0250**	**83**
3011		Tires & inner tubes	1	1	122.9	1.2019	100
3643		Current-carrying wiring devices	1	1	80.0	3.9809	100
Tazewell	**209**	**All mfg.**	**45**	**12**	**2,456.5**	**.1422**	**97**
3531		Construction machinery	1	1	1,923.5	11.8385	100
3537		Industrial trucks & tractors	1	1	121.8	4.8775	100
Union		**All mfg.**	**9**	**5**	**70.4**	**.0041**	**88**
Vermilion	**67**	**All mfg.**	**74**	**30**	**1,319.7**	**.0764**	**90**
3079		Miscellaneous plastics products	3	2	72.2	.2817	98
3537		Industrial trucks & tractors	1	1	97.5	3.9044	100
3612		Transformers	2	2	46.9	1.5734	100
3711		Motor vehicles & passenger-car bodies	1	1	442.0	.6575	100
Wabash		**All mfg.**	**12**	**6**	**116.8**	**.0068**	**79**
Warren		**All mfg.**	**11**	**4**	**133.2**	**.0077**	**79**
Washington		**All mfg.**	**3**	**1**	**28.0**	**.0016**	**26**
Wayne		**All mfg.**	**7**	**2**	**87.6**	**.0051**	**87**
White		**All mfg.**	**5**	**1**	**19.2**	**.0011**	**47**
Whiteside		**All mfg.**	**41**	**16**	**881.7**	**.0510**	**89**
3312		Blast furnaces & steel mills	2	1	514.6	1.0177	99
3429		Hardware n.e.c.	4	3	71.4	1.1341	95
3822		Environmental controls	1	1	93.0	5.1088	100
Will	**56**	**All mfg.**	**160**	**60**	**4,295.6**	**.2486**	**93**
2911		Petroleum refining	3	2	2,014.4	1.2879	98
3531		Construction machinery	1	1	656.2	4.0387	100
3931		Musical instruments & parts	1	1	40.1	3.6986	100
Williamson		**All mfg.**	**27**	**11**	**377.9**	**.0219**	**87**
3633		Household laundry equipment	1	1	126.8	5.5898	100
Winnebago	**235**	**All mfg.**	**325**	**94**	**2,886.2**	**.1670**	**80**
2067		Chewing gum	1	1	76.7	10.6557	100
3411		Metal cans	4	2	221.1	2.5975	96
3429		Hardware n.e.c.	3	2	259.7	4.1250	99
3452		Bolts, nuts, rivets, & washers	13	6	234.3	5.9617	92
3541		Metal-cutting machine tools	15	9	152.6	6.4631	94
3552		Textile machinery	1	1	128.0	7.8784	100
3561		Pumps & pumping equipment	7	4	51.4	1.5264	91
3568		Power-transmission equipment n.e.c.	4	4	32.1	2.3970	100
3599		Machinery, except electrical, n.e.c.	26	1	72.9	.6629	14
3714		Motor-vehicle parts & accessories	4	4	210.4	.6673	100
3728		Aircraft equipment n.e.c.	3	1	68.6	.9340	91
Woodford	**209**	**All mfg.**	**16**	**3**	**80.7**	**.0047**	**35**
State Total		**All mfg.**	**10,011**	**2,974**	**121,437.3**	**7.0283**	**82**

INDIANA

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	1980 (S&MM Est.) Total Shipments ($Mil.)	1980 (S&MM Est.) % Of U.S. Shipments	1980 (S&MM Est.) % In Large Plants
Adams	**95**	**All mfg.**	**36**	**14**	**362.4**	**.0210**	**79**
3676		Electronic resistors	1	1	93.3	11.7299	100
Allen	**95**	**All mfg.**	**193**	**65**	**3,773.8**	**.2184**	**86**
2051		Bread, cake, & related products	5	3	78.7	.7015	94
3011		Tires & inner tubes	1	1	176.4	1.7250	100
3079		Miscellaneous plastics products	13	5	87.3	.3406	67
3357		Nonferrous-wire drawing & insulating	4	3	266.2	2.8520	98
3599		Machinery, except electrical, n.e.c.	6	1	184.3	1.6759	92
3612		Transformers	1	1	62.4	2.0934	100
3621		Motors & generators	4	3	362.3	6.1059	100
3662		Radio & TV communication equipment	2	2	381.2	1.6214	100
3713		Truck & bus bodies	2	1	274.8	9.1487	99
3714		Motor-vehicle parts & accessories	3	1	191.5	.6073	97
Bartholomew		**All mfg.**	**35**	**14**	**1,479.3**	**.0856**	**96**
2514		Metal household furniture	1	1	68.6	4.7888	100
3321		Gray-iron foundries	2	1	107.9	1.3235	97
3519		Internal-combustion engines n.e.c.	2	2	791.4	8.5142	100
3566		Speed changers, drives, & gears	1	1	41.9	4.1151	100
3714		Motor-vehicle parts & accessories	1	1	246.2	.7808	100
Benton		**All mfg.**	**8**	**1**	**31.4**	**.0018**	**25**
Blackford		**All mfg.**	**19**	**9**	**168.8**	**.0098**	**87**
Boone	**117**	**All mfg.**	**15**	**6**	**142.7**	**.0083**	**72**
Brown		**All mfg.**	**2**		**2.6**	**.0002**	**0**
Carroll		**All mfg.**	**14**	**5**	**111.7**	**.0065**	**55**
Cass		**All mfg.**	**27**	**16**	**572.3**	**.0331**	**74**
3622		Industrial controls	2	2	59.8	1.8809	100
Clark	**158**	**All mfg.**	**40**	**18**	**626.5**	**.0363**	**88**
3483		Ammunition, except small-arms, n.e.c.	1	1	49.0	5.7749	100
3731		Ship building & repairing	1	1	70.5	.8620	100
Clay	**273**	**All mfg.**	**9**	**1**	**38.5**	**.0022**	**37**
Clinton		**All mfg.**	**27**	**10**	**339.4**	**.0196**	**43**
Crawford		**All mfg.**	**1**		**1.1**	**.0001**	**0**
Daviess		**All mfg.**	**17**	**5**	**159.3**	**.0092**	**67**
Dearborn	**57**	**All mfg.**	**12**	**7**	**582.1**	**.0337**	**97**
2085		Distilled liquor, except brandy	2	2	490.4	16.6113	100
Decatur		**All mfg.**	**12**	**6**	**156.9**	**.0091**	**70**
De Kalb	**95**	**All mfg.**	**38**	**17**	**576.0**	**.0333**	**89**
3714		Motor-vehicle parts & accessories	3	2	84.3	.2674	97
Delaware	**181**	**All mfg.**	**82**	**21**	**994.5**	**.0576**	**84**
3612		Transformers	1	1	66.8	2.2410	100
3691		Storage batteries	1	1	116.3	4.7456	100
3714		Motor-vehicle parts & accessories	2	2	354.4	1.1240	100
Dubois		**All mfg.**	**59**	**27**	**451.8**	**.0261**	**80**
2434		Wood kitchen cabinets	4	3	85.6	4.5881	95
2511		Wood household furniture	9	4	52.5	1.1226	79
2521		Wood office furniture	10	7	72.6	10.1652	85
Elkhart	**79**	**All mfg.**	**330**	**119**	**2,631.6**	**.1523**	**75**
2434		Wood kitchen cabinets	6	3	80.4	4.3094	89
2451		Mobile homes	29	13	265.2	7.8638	79
2834		Pharmaceutical preparations	2	2	163.6	.9866	100
3069		Fabricated rubber products n.e.c.	8	5	66.2	1.4396	89
3442		Metal doors, sash, & trim	10	7	80.6	2.0826	87
3494		Valves & pipe fittings	2	1	86.6	1.2524	93
3676		Electronic resistors	1	1	53.3	6.7010	100
3732		Boat building & repairing	5	3	59.9	2.6794	90
3792		Travel trailers & campers	48	19	375.7	18.1331	75
3931		Musical instruments & parts	8	4	69.1	6.3734	88
Fayette		**All mfg.**	**16**	**11**	**860.0**	**.0498**	**99**
3585		Refrigeration & heating equipment	2	2	403.2	2.3292	100
3639		Household appliances n.e.c.	1	1	129.4	8.4686	100
3714		Motor-vehicle parts & accessories	3	3	244.3	.7748	100
Floyd	**158**	**All mfg.**	**39**	**17**	**368.4**	**.0213**	**79**
Fountain		**All mfg.**	**11**	**8**	**187.9**	**.0109**	**97**
3325		Steel foundries n.e.c.	1	1	49.5	1.9057	100
Franklin		**All mfg.**	**4**	**2**	**76.0**	**.0044**	**84**
Fulton		**All mfg.**	**27**	**11**	**192.2**	**.0111**	**71**
Gibson	**85**	**All mfg.**	**12**	**5**	**766.7**	**.0444**	**90**
2011		Meat-packing plants	1	1	433.8	1.1181	100
3613		Switchgear & switchboard apparatus	1	1	219.0	4.7014	100
Grant	**167**	**All mfg.**	**55**	**20**	**1,386.6**	**.0803**	**91**
3221		Glass containers	3	3	85.1	3.0354	100
3357		Nonferrous-wire drawing & insulating	2	2	193.0	2.0677	100
3465		Automotive stampings	1	1	412.3	3.3514	100
3672		Cathode-ray TV picture tubes	1	1	158.0	14.8413	100
3714		Motor-vehicle parts & accessories	2	2	205.1	.6505	100
Greene		**All mfg.**	**9**	**2**	**75.2**	**.0044**	**67**

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County SIC	Metro Area	Industry	1980 (S&MM Est.) Number Of Plants: Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Hamilton	117	All mfg.	33	12	277.9	.0161	67
Hancock	117	All mfg.	12	4	143.8	.0083	81
Harrison		All mfg.	11	5	86.7	.0050	78
Hendricks	117	All mfg.	8	1	28.3	.0016	27
Henry		All mfg.	25	7	248.5	.0144	77
Howard	136	All mfg.	38	18	1,718.3	.0994	96
3312		Blast furnaces & steel mills	1	1	202.9	.4013	100
3369		Nonferrous foundries n.e.c.	1	1	61.8	5.3913	100
3651		Radio & TV receiving sets	1	1	858.4	12.7010	100
3714		Motor-vehicle parts & accessories	2	2	368.6	1.1690	100
Huntington		All mfg.	47	18	470.9	.0273	75
3677		Electronic coils & transformers	2	2	40.0	5.7249	100
3679		Electronic components n.e.c.	1	1	59.9	.7897	100
Jackson		All mfg.	42	19	458.0	.0265	83
3079		Miscellaneous plastics products	4	3	86.3	.3367	98
Jasper		All mfg.	12	6	130.3	.0075	79
Jay		All mfg.	15	9	241.3	.0140	87
3221		Glass containers	1	1	51.0	1.8191	100
Jefferson		All mfg.	20	10	282.9	.0164	88
3621		Motors & generators	1	1	88.4	1.4898	100
Jennings		All mfg.	14	4	108.1	.0063	69
Johnson	117	All mfg.	18	9	251.4	.0145	86
3714		Motor-vehicle parts & accessories	2	2	100.7	.3194	100
Knox		All mfg.	17	8	232.9	.0135	76
Kosciusko		All mfg.	65	27	712.2	.0412	81
3841		Surgical & medical instruments	1	1	92.0	3.5707	100
La Grange		All mfg.	24	7	301.8	.0175	76
3792		Travel trailers & campers	4	3	131.9	6.3661	97
Lake	100	All mfg.	188	81	7,660.0	.4433	91
2869		Industrial organic chemicals n.e.c.	2	1	380.0	1.2600	95
2911		Petroleum refining	4	2	2,681.6	1.7145	92
3241		Hydraulic cement	1	1	140.4	3.2013	100
3312		Blast furnaces & steel mills	4	2	1,416.9	2.8022	99
3316		Cold-rolled steel sheet, strip, & bars	6	5	224.2	6.8655	97
3325		Steel foundries n.e.c.	3	3	70.3	2.7064	100
3341		Secondary nonferrous metals	4	2	426.5	8.5998	93
3441		Fabricated structural metal	12	3	232.0	3.7645	91
3443		Fabricated plate work (boiler shops)	3	3	174.0	1.9678	100
3465		Automotive stampings	1	1	206.1	1.6753	100
3714		Motor-vehicle parts & accessories	1	1	74.6	.2366	100
3743		Railroad equipment	5	5	176.8	3.0238	100
La Porte	172	All mfg.	94	45	1,264.7	.0732	87
3079		Miscellaneous plastics products	10	6	83.3	.3250	81
3523		Farm machinery & equipment	1	1	199.3	1.8050	100
3563		Air & gas compressors	2	2	68.8	3.7077	100
Lawrence		All mfg.	28	12	500.9	.0290	91
3361		Aluminum foundries	1	1	97.6	2.8563	100
3714		Motor-vehicle parts & accessories	3	3	255.6	.8106	100
Madison	12	All mfg.	54	24	2,212.9	.1281	96
3647		Vehicular lighting equipment	1	1	501.3	42.6094	100
3691		Storage batteries	1	1	349.0	14.2408	100
3694		Engine electrical equipment	1	1	742.7	16.5918	100
Marion	117	All mfg.	570	186	9,767.3	.5653	88
2051		Bread, cake, & related products	8	6	100.1	.8923	96
2086		Bottled & canned soft drinks	5	4	108.2	.8351	96
2653		Corrugated & solid fiber boxes	9	3	182.2	2.1640	89
2711		Newspapers	4	1	81.6	.5073	94
2752		Lithographic commercial printing	15	3	118.2	1.0040	54
2834		Pharmaceutical preparations	3	3	780.5	4.7068	100
3432		Plumbing fittings & brass goods	1	1	88.0	6.3708	100
3443		Fabricated plate work (boiler shops)	6	2	66.9	.7566	81
3489		Ordnance & accessories n.e.c.	1	1	109.6	13.3642	100
3499		Fabricated metal products n.e.c.	13	4	64.0	1.5241	67
3519		Internal-combustion engines n.e.c.	2	2	638.2	6.8660	100
3544		Special dies, tools, jigs, & fixtures	19	2	31.5	1.0205	23
3562		Ball & roller bearings	2	2	52.1	2.3265	100
3564		Blowers & exhaust & ventilation fans	5	5	75.4	5.9856	100
3568		Power-transmission equipment n.e.c.	3	3	171.7	12.8211	100
3585		Refrigeration & heating equipment	6	3	303.2	1.7516	95
3651		Radio & TV receiving sets	4	3	328.4	4.8591	98
3652		Phonograph records & pre-recorded tape	2	1	82.5	5.7117	93
3661		Telephone & telegraph apparatus	1	1	565.7	4.4497	100
3662		Radio & TV communication equipment	4	3	382.1	1.6253	99
3694		Engine electrical equipment	2	1	180.1	4.0234	99
3713		Truck & bus bodies	2	1	201.6	6.7117	99
3714		Motor-vehicle parts & accessories	11	8	340.0	1.0783	96
3724		Aircraft engines & engine parts	2	1	408.2	3.7700	99
Marshall	261	All mfg.	60	14	420.3	.0243	63
Martin		All mfg.	6	5	119.2	.0069	94
Miami		All mfg.	31	17	285.6	.0165	78
Monroe	37	All mfg.	25	10	887.8	.0514	93
3632		Household refrigerators & freezers	1	1	217.8	7.3671	100
3651		Radio & TV receiving sets	1	1	429.2	6.3505	100
3662		Radio & TV communication equipment	1	1	86.7	.3688	100
Montgomery		All mfg.	28	13	384.3	.0222	83
2732		Book printing	1	1	190.9	9.1283	100
Morgan	117	All mfg.	13	4	76.4	.0044	71
Newton		All mfg.	9	6	70.1	.0041	74
Noble		All mfg.	45	17	400.7	.0232	74
3079		Miscellaneous plastics products	5	2	67.2	.2622	82
Orange		All mfg.	12	6	102.0	.0059	83
Owen		All mfg.	5	1	18.0	.0010	42
Parke		All mfg.	5	1	24.6	.0014	25
Perry		All mfg.	11	7	160.2	.0093	57
Pike		All mfg.	1		3.5	.0002	0
Porter	100	All mfg.	35	17	2,421.2	.1401	97
3312		Blast furnaces & steel mills	2	2	2,065.2	4.0844	100
Posey	85	All mfg.	9	4	535.8	.0310	93
3443		Fabricated plate work (boiler shops)	1	1	79.6	.9002	100
Pulaski		All mfg.	8	2	61.4	.0036	47
Putnam		All mfg.	8	6	178.3	.0103	98
Randolph		All mfg.	25	8	219.0	.0127	79
3221		Glass containers	1	1	46.8	1.6693	100
3369		Nonferrous foundries n.e.c.	1	1	30.8	2.6869	100
Ripley		All mfg.	15	8	126.8	.0073	79
3995		Burial caskets	1	1	44.0	7.9236	100
Rush		All mfg.	11	3	95.7	.0055	51
St. Joseph	261	All mfg.	189	55	2,160.3	.1250	77
3069		Fabricated rubber products n.e.c.	3	1	192.7	4.1904	99
3079		Miscellaneous plastics products	16	6	98.7	.3851	65
3562		Ball & roller bearings	2	2	40.5	1.8085	100
3644		Non-current-carrying wiring devices	2	1	78.2	4.4523	96
3711		Motor vehicles & passenger-car bodies	1	1	200.9	.2988	100
3714		Motor-vehicle parts & accessories	5	3	329.6	1.0453	97
3728		Aircraft equipment n.e.c.	2	2	127.1	1.7305	100
Scott		All mfg.	11	4	346.2	.0200	94
2032		Canned food specialties	1	1	246.7	6.9485	100
Shelby	117	All mfg.	34	10	437.0	.0253	56
3567		Industrial-process furnaces & ovens	1	1	27.7	4.2992	100
Spencer		All mfg.	10	5	157.4	.0091	84
Starke		All mfg.	10	3	53.3	.0031	69
Steuben		All mfg.	27	6	183.2	.0106	53
Sullivan	273	All mfg.	6	2	31.2	.0018	57
Switzerland		All mfg.	3	2	21.3	.0012	86
Tippecanoe	138	All mfg.	49	23	1,180.3	.0683	82
3354		Aluminum extruded products	1	1	200.2	6.9092	100
3566		Speed changers, drives, & gears	1	1	45.6	4.4785	100
3714		Motor-vehicle parts & accessories	1	1	186.5	.5915	100
Tipton	136	All mfg.	8	3	75.5	.0044	73
Union		All mfg.	3	2	75.8	.0044	95
Vanderburgh	85	All mfg.	125	53	2,672.3	.1547	90
2834		Pharmaceutical preparations	1	1	471.9	2.8458	100
3079		Miscellaneous plastics products	10	5	129.9	.5068	87
3632		Household refrigerators & freezers	1	1	653.5	22.1046	100
Vermillion	273	All mfg.	8	5	111.9	.0065	92
Vigo	273	All mfg.	59	31	1,474.7	.0853	92
3531		Construction machinery	1	1	198.0	1.2186	100
3652		Phonograph records & pre-recorded tape	1	1	268.6	18.5960	100
Wabash		All mfg.	35	19	562.7	.0326	79
3069		Fabricated rubber products n.e.c.	1	1	64.6	1.4048	100
Warrick	85	All mfg.	11	2	495.6	.0287	93
3334		Primary aluminum	1	1	454.1	6.9139	100
Washington		All mfg.	15	8	149.2	.0086	80

1980 (S&MM Est.)

INDIANA (cont.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Wayne		All mfg.	69	29	1,276.4	.0739	92
3357		Nonferrous-wire drawing & insulating	1	1	281.6	3.0170	100
3592		Carburetors, pistons, rings, & valves	2	2	337.4	13.9105	100
Wells	95	All mfg.	18	6	178.7	.0103	71
3621		Motors & generators	1	1	69.7	1.1747	100
White		All mfg.	13	5	91.6	.0053	76
Whitley		All mfg.	25	9	224.2	.0130	82
State Total		All mfg.	3,574	1,380	62,764.5	3.6325	86

IOWA

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Adair		All mfg.	2	1	10.0	.0006	66
Adams		All mfg.	2		5.0	.0003	0
Allamakee		All mfg.	7	4	77.2	.0045	53
Appanoose		All mfg.	9	3	89.5	.0052	72
Audubon		All mfg.	4		16.4	.0009	0
Benton		All mfg.	11		51.0	.0030	0
Black Hawk	288	All mfg.	86	26	1,996.2	.1155	88
2011		Meat-packing plants	1	1	371.9	.9586	100
3489		Ordnance & accessories n.e.c.	1	1	36.6	4.4629	100
3519		Internal-combustion engines n.e.c.	1	1	260.3	2.8004	100
3523		Farm machinery & equipment	7	5	868.7	7.8677	99
Boone		All mfg.	15	3	67.8	.0039	49
Bremer		All mfg.	16	2	117.2	.0068	76
Buchanan		All mfg.	10		39.6	.0023	0
Buena Vista		All mfg.	8	3	120.1	.0070	92
Butler		All mfg.	2	1	19.3	.0011	67
Calhoun		All mfg.	7		26.7	.0015	0
Carroll		All mfg.	15	2	155.6	.0090	38
Cass		All mfg.	16	2	88.9	.0051	46
Cedar		All mfg.	8		36.1	.0021	0
Cerro Gordo		All mfg.	42	9	367.7	.0213	65
Cherokee		All mfg.	10	2	184.6	.0107	82
Chickasaw		All mfg.	8	2	105.8	.0061	59
Clarke		All mfg.	8	2	49.0	.0028	65
Clay		All mfg.	16	3	147.5	.0085	57
Clayton		All mfg.	14	1	58.7	.0034	19
Clinton		All mfg.	42	21	876.9	.0508	89
2046		Wet corn milling	1	1	298.4	12.2320	100
3079		Miscellaneous plastics products	3	3	110.3	.4303	100
Crawford		All mfg.	10	4	278.9	.0161	89
2011		Meat-packing plants	5	4	266.4	.6866	93
Dallas		All mfg.	13	1	210.4	.0122	83
Davis		All mfg.	4		11.2	.0006	0
Decatur		All mfg.	5	1	15.0	.0009	27
Delaware		All mfg.	12	2	90.1	.0052	24
Des Moines		All mfg.	48	18	492.0	.0285	77
3537		Industrial trucks & tractors	1	1	53.5	2.1424	100
Dickinson		All mfg.	9	2	77.7	.0045	69
Dubuque	76	All mfg.	64	18	1,748.9	.1012	92
2011		Meat-packing plants	2	1	514.3	1.3256	96
3531		Construction machinery	1	1	905.1	5.5706	100
Emmet		All mfg.	8	2	54.0	.0031	80
Fayette		All mfg.	15	1	70.6	.0041	12
Floyd		All mfg.	8	2	221.1	.0128	89
3523		Farm machinery & equipment	1	1	166.2	1.5052	100
Franklin		All mfg.	9	2	45.6	.0026	49
Fremont		All mfg.	2		7.5	.0004	0
Greene		All mfg.	7	2	26.7	.0015	50
Grundy		All mfg.	8	1	34.0	.0020	19
Guthrie		All mfg.	1		3.0	.0002	0
Hamilton		All mfg.	17	2	181.4	.0105	54
Hancock		All mfg.	9	2	79.3	.0046	64
Hardin		All mfg.	24	2	235.3	.0136	38
Harrison		All mfg.	2		4.8	.0003	0
Henry		All mfg.	12	5	110.9	.0064	84
Howard		All mfg.	4	1	27.0	.0016	49
Humboldt		All mfg.	11		41.7	.0024	0
Ida		All mfg.	6		18.8	.0011	0
Iowa		All mfg.	17	4	276.4	.0160	83
3631		Household cooking equipment	1	1	67.7	3.4104	100
3632		Household refrigerators & freezers	1	1	154.6	5.2293	100
Jackson		All mfg.	13	1	107.6	.0062	45
Jasper		All mfg.	18	4	585.7	.0339	91
3633		Household laundry equipment	1	1	459.6	20.2610	100
Jefferson		All mfg.	14	9	101.1	.0059	84
Johnson	118	All mfg.	24	8	310.1	.0179	81
Jones		All mfg.	11	2	46.9	.0027	46
Keokuk		All mfg.	1		5.6	.0003	0
Kossuth		All mfg.	11	3	114.6	.0066	46
Lee		All mfg.	38	19	653.0	.0378	89
3069		Fabricated rubber products n.e.c.	1	1	57.0	1.2395	100
3951		Pens & mechanical pencils	1	1	51.8	7.1262	100
Linn	49	All mfg.	105	34	2,506.3	.1451	80
2011		Meat-packing plants	1	1	619.8	1.5975	100
2043		Cereal breakfast foods	2	2	240.3	7.8134	100
3531		Construction machinery	3	3	382.7	2.3554	100
3613		Switchgear & switchboard apparatus	1	1	58.5	1.2558	100
3662		Radio & TV communication equipment	2	1	263.0	1.1187	99
Louisa		All mfg.	3	1	75.6	.0044	82
Lucas		All mfg.	3	1	9.9	.0006	64
Lyon		All mfg.	3	1	13.6	.0008	31
Mahaska		All mfg.	15	2	74.9	.0043	32
Marion		All mfg.	12	4	206.2	.0119	86
2431		Millwork	1	1	51.8	1.1966	100
Marshall		All mfg.	34	9	375.2	.0217	75
Mills		All mfg.	2	2	105.0	.0061	100
Mitchell		All mfg.	5		17.5	.0010	0
Monona		All mfg.	1		2.9	.0002	0
Monroe		All mfg.	7	2	45.0	.0026	80
Montgomery		All mfg.	12	5	94.7	.0055	73
Muscatine		All mfg.	46	12	672.6	.0389	82
2522		Metal office furniture	1	1	57.2	3.5381	100
O'Brien		All mfg.	6		152.4	.0088	0
Osceola		All mfg.	4	1	26.9	.0016	54
Page		All mfg.	16	5	134.6	.0078	69
Palo Alto		All mfg.	7	1	24.6	.0014	34
Plymouth		All mfg.	11	1	72.3	.0042	15
Pocahontas		All mfg.	6	2	32.7	.0019	59
Polk	74	All mfg.	186	42	2,081.7	.1205	65
2721		Periodicals	1	1	94.3	1.2522	100
3011		Tires & inner tubes	2	2	352.9	3.4511	100
3523		Farm machinery & equipment	4	3	236.7	2.1437	97
3524		Lawn & garden equipment	2	2	95.7	5.6291	100
Pottawattamie	200	All mfg.	28	7	210.8	.0122	64
Poweshiek		All mfg.	17	3	67.3	.0039	39
Ringgold		All mfg.	2		3.0	.0002	0
Sac		All mfg.	8	1	37.9	.0022	39
Scott	69	All mfg.	103	31	2,370.8	.1372	87
2011		Meat-packing plants	1	1	257.6	.6640	100
3353		Aluminum sheet, plate, & foil	2	2	656.9	7.7956	100
3531		Construction machinery	4	3	649.0	3.9944	99
Shelby		All mfg.	7		36.5	.0021	0
Sioux		All mfg.	30	3	192.7	.0112	32
Story		All mfg.	22	4	194.3	.0112	57
Tama		All mfg.	5	2	75.1	.0043	80
Taylor		All mfg.	3	1	11.3	.0007	36
Union		All mfg.	8	2	61.9	.0036	63
Van Buren		All mfg.	6	1	30.9	.0018	60
Wapello		All mfg.	20	6	262.1	.0152	80
3523		Farm machinery & equipment	2	2	141.2	1.2788	100
Warren	74	All mfg.	8	1	36.3	.0021	33
Washington		All mfg.	13	4	161.7	.0094	45

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
Wayne		All mfg.	6	1	22.3	.0013	21
Webster		All mfg.	35	13	645.3	.0373	76
2011		Meat-packing plants	2	2	297.4	.7665	100
Winnebago		All mfg.	15	4	197.1	.0114	85
2451		Mobile homes	2	1	69.4	2.0579	93
Winneshiek		All mfg.	10	1	39.6	.0023	8
Woodbury	259	All mfg.	76	23	1,105.3	.0640	68
2011		Meat-packing plants	6	4	322.1	.8302	89
Worth		All mfg.	2		4.9	.0003	0
Wright		All mfg.	14	1	316.3	.0183	47
State Total		All mfg.	1,735	439	23,801.7	1.3775	74

KANSAS

County SIC	Metro Area	Industry	Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Allen		All mfg.	18	5	128.1	.0074	62
Anderson		All mfg.	6		19.3	.0011	0
Atchison		All mfg.	17	2	191.2	.0111	51
3743		Railroad equipment	1	1	86.4	1.4777	100
Barber		All mfg.	2	1	22.1	.0013	72
Barton		All mfg.	28	5	216.6	.0125	65
Bourbon		All mfg.	15	4	62.8	.0036	47
Brown		All mfg.	6	2	23.1	.0013	68
Butler	292	All mfg.	24	9	2,097.5	.1214	97
2911		Petroleum refining	3	3	1,948.2	1.2456	100
Chase		All mfg.	1		1.6	.0001	0
Cherokee		All mfg.	17	5	126.6	.0073	65
Clay		All mfg.	7	2	72.8	.0042	69
Cloud		All mfg.	6		23.2	.0013	0
Coffey		All mfg.	3	1	18.3	.0011	86
Comanche		All mfg.	3		12.8	.0007	0
Cowley		All mfg.	27	11	917.2	.0531	92
Crawford		All mfg.	28	7	281.7	.0163	50
Decatur		All mfg.	2		6.1	.0004	0
Dickinson		All mfg.	12	1	64.4	.0037	18
Doniphan		All mfg.	5	1	41.2	.0024	31
Douglas	147	All mfg.	38	11	357.4	.0207	79
Edwards		All mfg.	5	1	44.6	.0026	65
Ellis		All mfg.	10	1	75.5	.0044	38
Ellsworth		All mfg.	5	1	15.9	.0009	74
Finney		All mfg.	19	3	154.6	.0089	64
Ford		All mfg.	26	3	152.7	.0088	26
Franklin		All mfg.	16	2	73.5	.0043	43
Geary		All mfg.	10	3	78.1	.0045	77
Gove		All mfg.	1		6.2	.0004	0
Grant		All mfg.	5	1	34.5	.0020	29
Greeley		All mfg.	1		5.6	.0003	0
Greenwood		All mfg.	3		9.8	.0006	0
Harper		All mfg.	6		19.5	.0011	0
Harvey		All mfg.	31	6	221.9	.0128	59
3523		Farm machinery & equipment	3	1	96.2	.8713	95
Haskell		All mfg.	1		13.8	.0008	0
Jackson		All mfg.	1		2.2	.0001	0
Jefferson	276	All mfg.	3		10.1	.0006	0
Jewell		All mfg.	1	1	43.4	.0025	100
Johnson	132	All mfg.	162	35	1,538.5	.0890	76
3581		Automatic merchandising machines	1	1	83.8	12.3708	100
3662		Radio & TV communication equipment	3	2	101.9	.4334	94
3679		Electronic components n.e.c.	9	4	38.7	.5102	86
Kearny		All mfg.	1		4.2	.0002	0
Kingman		All mfg.	5		17.0	.0010	0
Kiowa		All mfg.	1		4.2	.0002	0
Labette		All mfg.	35	9	127.9	.0074	50
Lane		All mfg.	1	1	43.1	.0025	100
Leavenworth		All mfg.	19	4	122.0	.0071	62
Lincoln		All mfg.	3		5.7	.0003	0
Linn		All mfg.	5		8.6	.0005	0
Logan		All mfg.	1		1.3	.0001	0
Lyon		All mfg.	24	7	817.3	.0473	80
2011		Meat-packing plants	2	2	530.6	1.3676	100
McPherson		All mfg.	34	7	869.2	.0503	90
Marion		All mfg.	13	2	67.9	.0039	64
Marshall		All mfg.	7	2	31.2	.0018	79
Meade		All mfg.	1		2.0	.0001	0
Miami		All mfg.	12	3	58.4	.0034	79
Mitchell		All mfg.	6	2	62.1	.0036	83
Montgomery		All mfg.	57	16	50[illegible].2	.0294	50
3568		Power-transmission equipment n.e.c.	1	1	31.8	2.3746	100
Morris		All mfg.	4		12.6	.0007	0
Morton		All mfg.	3		5.9	.0003	0
Nemaha		All mfg.	5	2	40.6	.0023	53
Neosho		All mfg.	31	8	244.3	.0141	48
Ness		All mfg.	1		1.6	.0001	0
Norton		All mfg.	3		6.2	.0004	0
Osage	276	All mfg.	2	1	21.3	.0012	73
Osborne		All mfg.	8		39.3	.0023	0
Ottawa		All mfg.	2	1	17.9	.0010	56
Pawnee		All mfg.	5		17.7	.0010	0
Phillips		All mfg.	3	1	132.3	.0077	26
Pottawatomie		All mfg.	7	2	64.6	.0037	54
Pratt		All mfg.	7		25.4	.0015	0
Rawlins		All mfg.	2		7.1	.0004	0
Reno		All mfg.	75	21	598.5	.0346	73
3561		Pumps & pumping equipment	1	1	49.3	1.4640	100
Republic		All mfg.	6		14.3	.0008	0
Rice		All mfg.	6	1	56.3	.0033	23
Riley		All mfg.	11	2	82.1	.0048	69
Rooks		All mfg.	2	1	9.5	.0005	69
Rush		All mfg.	4		9.6	.0006	0
Russell		All mfg.	9	1	25.8	.0015	44
Saline		All mfg.	48	11	427.0	.0247	74
Scott		All mfg.	4		40.0	.0023	0
Sedgwick	292	All mfg.	328	64	5,020.8	.2906	85
2011		Meat-packing plants	6	3	260.8	.6722	87
3079		Miscellaneous plastics products	19	5	89.2	.3480	71
3531		Construction machinery	3	2	129.6	.7976	98
3721		Aircraft	6	5	1,981.6	8.6792	100
3728		Aircraft equipment n.e.c.	25	4	94.7	1.2894	48
3949		Sporting & athletic goods n.e.c.	3	1	100.4	3.6652	98
Seward		All mfg.	9	3	205.6	.0119	93
Shawnee	276	All mfg.	85	23	1,089.2	.0630	84
3011		Tires & inner tubes	1	1	245.1	2.3969	100
3743		Railroad equipment	2	1	265.6	4.5425	98
Sheridan		All mfg.	1		1.0	.0001	0
Sherman		All mfg.	7	2	61.4	.0036	84
Smith		All mfg.	3		7.7	.0004	0
Stafford		All mfg.	4		7.4	.0004	0
Sumner		All mfg.	20	1	69.1	.0040	34
Thomas		All mfg.	5		5.9	.0003	0
Trego		All mfg.	2		3.6	.0002	0
Wabaunsee		All mfg.	2		11.4	.0007	0
Washington		All mfg.	3		22.2	.0013	0
Wilson		All mfg.	20	4	201.8	.0117	30
Woodson		All mfg.	3		2.8	.0002	0
Wyandotte	132	All mfg.	182	46	3,840.3	.2223	88
2841		Soap & other detergents	2	2	292.8	3.6797	100
3296		Mineral wool	2	2	310.6	11.4482	100
3711		Motor vehicles & passenger-car bodies	1	1	904.1	1.3448	100
State Total		All mfg.	1,718	372	22,384.8	1.2955	78

KENTUCKY

County SIC	Metro Area	Industry	Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Adair		All mfg.	9	2	35.1	.0020	44
Allen		All mfg.	9	4	71.2	.0041	74
Anderson		All mfg.	11	4	105.6	.0061	56
Ballard		All mfg.	6	1	211.4	.0122	93
2621		Paper mills, except building paper	1	1	197.4	.0619	100
Barren		All mfg.	26	10	330.6	.0191	78
Bell		All mfg.	14	2	72.5	.0042	38
Boone	57	All mfg.	38	21	369.3	.0214	80
3499		Fabricated metal products n.e.c.	1	1	54.0	1.2860	100
Bourbon	150	All mfg.	10	3	75.0	.0043	65
Boyd	115	All mfg.	31	11	2,662.7	.1541	97

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
KENTUCKY (Boyd, cont.)							
2911		Petroleum refining	1	1	1,666.1	1.0652	100
3312		Blast furnaces & steel mills	2	2	725.3	1.4344	100
Boyle		**All mfg.**	**18**	**8**	**212.7**	**.0123**	**86**
Bracken		**All mfg.**	**2**	**2**	**22.5**	**.0013**	**100**
Breathitt		**All mfg.**	**3**	**1**	**10.8**	**.0006**	**64**
Breckinridge		**All mfg.**	**5**	**2**	**20.7**	**.0012**	**78**
Bullitt	**158**	**All mfg.**	**4**	**3**	**105.2**	**.0061**	**98**
Butler		**All mfg.**	**5**	**2**	**32.0**	**.0019**	**77**
Caldwell		**All mfg.**	**9**	**3**	**75.6**	**.0044**	**74**
Calloway		**All mfg.**	**8**	**2**	**94.9**	**.0055**	**68**
Campbell	**57**	**All mfg.**	**26**	**6**	**330.2**	**.0191**	**79**
Carlisle		**All mfg.**	**1**	**1**	**16.4**	**.0009**	**100**
Carroll		**All mfg.**	**10**	**5**	**219.4**	**.0127**	**90**
Carter		**All mfg.**	**8**	**3**	**40.7**	**.0024**	**43**
Casey		**All mfg.**	**9**	**1**	**55.1**	**.0032**	**64**
Christian	**58**	**All mfg.**	**34**	**11**	**297.9**	**.0172**	**63**
Clark	**150**	**All mfg.**	**17**	**6**	**239.9**	**.0139**	**84**
3714		Motor-vehicle parts & accessories	1	1	82.6	.2620	100
Clay		**All mfg.**	**1**		**1.1**	**.0001**	**0**
Clinton		**All mfg.**	**4**	**3**	**40.9**	**.0024**	**76**
Crittenden		**All mfg.**	**5**	**3**	**61.9**	**.0036**	**91**
Cumberland		**All mfg.**	**5**	**2**	**25.4**	**.0015**	**81**
Daviess	**202**	**All mfg.**	**48**	**19**	**652.7**	**.0378**	**85**
3671		Receiving-type electron tubes	1	1	30.8	14.3322	100
Edmonson		**All mfg.**	**1**	**1**	**9.7**	**.0006**	**100**
Estill		**All mfg.**	**3**	**1**	**24.7**	**.0014**	**87**
Fayette	**150**	**All mfg.**	**88**	**28**	**1,646.0**	**.0953**	**90**
2141		Tobacco stemming & redrying	7	4	232.3	8.0128	88
3572		Typewriters	1	1	837.3	32.5772	100
3613		Switchgear & switchboard apparatus	1	1	101.3	2.1747	100
Fleming		**All mfg.**	**3**	**2**	**47.6**	**.0028**	**94**
Floyd		**All mfg.**	**6**	**2**	**58.6**	**.0034**	**30**
Franklin		**All mfg.**	**15**	**9**	**293.1**	**.0170**	**95**
2085		Distilled liquor, except brandy	2	2	181.8	6.1581	100
Fulton		**All mfg.**	**7**	**2**	**38.9**	**.0023**	**43**
Gallatin		**All mfg.**	**1**		**1.0**	**.0001**	**0**
Garrard		**All mfg.**	**4**	**2**	**32.8**	**.0019**	**88**
Grant		**All mfg.**	**3**		**8.3**	**.0005**	**0**
Graves		**All mfg.**	**14**	**6**	**311.6**	**.0180**	**93**
2311		Men's & boys' suits & coats	1	1	40.9	1.1274	100
3011		Tires & inner tubes	1	1	161.8	1.5823	100
Grayson		**All mfg.**	**13**	**3**	**66.5**	**.0038**	**43**
Green		**All mfg.**	**9**	**3**	**124.0**	**.0072**	**13**
Greenup	**115**	**All mfg.**	**5**	**3**	**62.2**	**.0036**	**94**
Hancock		**All mfg.**	**7**	**7**	**536.9**	**.0311**	**100**
3353		Aluminum sheet, plate, & foil	2	2	294.3	3.4926	100
Hardin		**All mfg.**	**27**	**10**	**222.2**	**.0129**	**82**
Harlan		**All mfg.**	**7**	**1**	**23.5**	**.0014**	**23**
Harrison		**All mfg.**	**15**	**8**	**153.0**	**.0089**	**74**
Hart		**All mfg.**	**8**	**2**	**46.8**	**.0027**	**37**
Henderson	**85**	**All mfg.**	**34**	**11**	**351.3**	**.0203**	**77**
Henry		**All mfg.**	**6**	**1**	**27.4**	**.0016**	**34**
Hickman		**All mfg.**	**3**	**1**	**22.5**	**.0013**	**32**
Hopkins		**All mfg.**	**26**	**9**	**300.5**	**.0174**	**83**
Jackson		**All mfg.**	**5**		**7.2**	**.0004**	**0**
Jefferson	**158**	**All mfg.**	**418**	**140**	**11,861.7**	**.6865**	**92**
2011		Meat-packing plants	3	2	450.2	1.1604	97
2013		Sausages & other prepared meats	2	1	167.7	1.5551	95
2085		Distilled liquor, except brandy	5	4	401.5	13.6000	99
2111		Cigarettes	3	3	2,288.2	22.6871	100
2653		Corrugated & solid fiber boxes	9	6	88.7	1.0535	85
2711		Newspapers	5	1	75.4	.4688	93
2822		Synthetic rubber	3	3	292.0	12.1404	100
2851		Paints & allied products	17	7	189.1	2.2305	74
3353		Aluminum sheet, plate, & foil	4	3	381.9	4.5321	96
3494		Valves & pipe fittings	2	2	158.2	2.2879	100
3523		Farm machinery & equipment	1	1	415.4	3.7622	100
3524		Lawn & garden equipment	3	2	233.7	13.7463	99
3535		Conveyors & conveying equipment	8	3	73.8	2.9951	74
3564		Blowers & exhaust & ventilation fans	5	2	43.0	3.4135	87
3585		Refrigeration & heating equipment	3	2	426.8	2.4656	99
3631		Household cooking equipment	1	1	369.0	18.5885	100
3632		Household refrigerators & freezers	1	1	653.5	22.1046	100
3633		Household laundry equipment	1	1	338.1	14.9046	100
3639		Household appliances n.e.c.	2	2	252.7	16.5380	100
3679		Electronic components n.e.c.	3	1	91.6	1.2076	97
3711		Motor vehicles & passenger-car bodies	2	2	1,517.6	2.2574	100
Jessamine	**150**	**All mfg.**	**9**	**3**	**59.3**	**.0034**	**45**
Johnson		**All mfg.**	**4**	**1**	**40.8**	**.0024**	**65**
Kenton	**57**	**All mfg.**	**54**	**13**	**319.1**	**.0185**	**58**
Knox		**All mfg.**	**6**	**1**	**31.6**	**.0018**	**19**
Larue		**All mfg.**	**3**	**1**	**15.2**	**.0009**	**46**
Laurel		**All mfg.**	**17**	**5**	**111.3**	**.0064**	**64**
Lawrence		**All mfg.**	**2**		**3.0**	**.0002**	**0**
Lee		**All mfg.**	**1**		**2.7**	**.0002**	**0**
Leslie		**All mfg.**	**2**		**4.2**	**.0002**	**0**
Letcher		**All mfg.**	**7**	**1**	**25.7**	**.0015**	**23**
Lewis		**All mfg.**	**2**	**2**	**17.7**	**.0010**	**100**
Lincoln		**All mfg.**	**3**	**1**	**23.6**	**.0014**	**64**
Livingston		**All mfg.**	**3**		**5.0**	**.0003**	**0**
Logan		**All mfg.**	**25**	**8**	**220.6**	**.0128**	**67**
Lyon		**All mfg.**	**1**	**1**	**12.6**	**.0007**	**100**
McCracken		**All mfg.**	**31**	**8**	**468.6**	**.0271**	**82**
2819		Industrial inorganic chemicals n.e.c.	1	1	290.2	2.6948	100
McCreary		**All mfg.**	**5**	**1**	**14.0**	**.0008**	**48**
McLean		**All mfg.**	**5**	**1**	**24.9**	**.0014**	**71**
Madison		**All mfg.**	**20**	**12**	**248.1**	**.0144**	**85**
Magoffin		**All mfg.**	**1**	**1**	**11.3**	**.0007**	**100**
Marion		**All mfg.**	**8**	**5**	**64.3**	**.0037**	**79**
Marshall		**All mfg.**	**7**	**4**	**532.5**	**.0308**	**98**
2869		Industrial organic chemicals n.e.c.	3	3	448.0	1.4855	100
Mason		**All mfg.**	**13**	**9**	**268.9**	**.0156**	**93**
3566		Speed changers, drives, & gears	1	1	44.4	4.3606	100
Meade		**All mfg.**	**3**	**1**	**145.6**	**.0084**	**96**
Mercer		**All mfg.**	**10**	**6**	**122.3**	**.0071**	**78**
Metcalfe		**All mfg.**	**2**	**1**	**12.5**	**.0007**	**37**
Monroe		**All mfg.**	**13**	**3**	**43.8**	**.0025**	**38**
Montgomery		**All mfg.**	**9**	**5**	**208.7**	**.0121**	**92**
3621		Motors & generators	1	1	57.1	.9623	100
Morgan		**All mfg.**	**2**	**2**	**15.8**	**.0009**	**100**
Muhlenberg		**All mfg.**	**11**	**2**	**36.2**	**.0021**	**43**
Nelson		**All mfg.**	**15**	**6**	**233.3**	**.0135**	**75**
Nicholas		**All mfg.**	**2**	**2**	**16.1**	**.0009**	**100**
Ohio		**All mfg.**	**12**	**7**	**50.2**	**.0029**	**82**
Oldham	**158**	**All mfg.**	**11**	**3**	**84.5**	**.0049**	**68**
Owen		**All mfg.**	**3**	**2**	**27.8**	**.0016**	**65**
Pendleton		**All mfg.**	**5**	**3**	**47.1**	**.0027**	**68**
Perry		**All mfg.**	**3**		**8.3**	**.0005**	**0**
Pike		**All mfg.**	**7**	**1**	**30.8**	**.0018**	**39**
Powell		**All mfg.**	**5**		**9.5**	**.0005**	**0**
Pulaski		**All mfg.**	**17**	**10**	**336.4**	**.0195**	**71**
Rockcastle		**All mfg.**	**4**		**5.3**	**.0003**	**0**
Rowan		**All mfg.**	**10**	**2**	**39.5**	**.0023**	**24**
Russell		**All mfg.**	**7**	**1**	**44.0**	**.0025**	**50**
Scott	**150**	**All mfg.**	**18**	**5**	**123.8**	**.0072**	**72**
Shelby		**All mfg.**	**20**	**5**	**143.0**	**.0083**	**53**
Simpson		**All mfg.**	**13**	**8**	**199.4**	**.0115**	**91**
Taylor		**All mfg.**	**11**	**3**	**147.6**	**.0085**	**77**
2254		Knit-underwear mills	1	1	93.9	12.8771	100
Todd		**All mfg.**	**8**	**3**	**48.0**	**.0028**	**68**
Trigg		**All mfg.**	**6**	**2**	**45.3**	**.0026**	**78**
Union		**All mfg.**	**11**	**5**	**64.0**	**.0037**	**79**
Warren		**All mfg.**	**31**	**13**	**556.0**	**.0322**	**91**
2322		Men's & boys' underwear	1	1	22.9	4.4013	100

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
3592		Carburetors, pistons, rings, & valves	1	1	154.8	6.3822	100
3622		Industrial controls	2	2	44.5	1.3996	100
Washington		**All mfg.**	**6**	**3**	**75.2**	**.0044**	**87**
Wayne		**All mfg.**	**12**	**4**	**34.0**	**.0020**	**58**
Webster		**All mfg.**	**4**	**1**	**14.7**	**.0009**	**54**
Whitley		**All mfg.**	**17**	**10**	**165.7**	**.0096**	**90**
Wolfe		**All mfg.**	**2**	**1**	**21.4**	**.0012**	**87**
Woodford	**150**	**All mfg.**	**7**	**5**	**142.3**	**.0082**	**97**
State Total		**All mfg.**	**1,650**	**596**	**28,590.5**	**1.6547**	**86**

LOUISIANA

County SIC	Metro Area	Industry	Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Acadia		**All mfg.**	**24**	**2**	**257.0**	**.0149**	**4**
Allen		**All mfg.**	**5**	**3**	**95.6**	**.0055**	**91**
Ascension	**26**	**All mfg.**	**28**	**17**	**1,037.3**	**.0600**	**92**
2869		Industrial organic chemicals n.e.c.	9	9	719.8	2.3867	100
Assumption		**All mfg.**	**5**	**3**	**55.8**	**.0032**	**85**
Avoyelles		**All mfg.**	**10**	**5**	**125.6**	**.0073**	**82**
Beauregard		**All mfg.**	**11**	**4**	**154.8**	**.0090**	**77**
Bienville		**All mfg.**	**4**	**2**	**33.5**	**.0019**	**86**
Bossier	**258**	**All mfg.**	**26**	**5**	**138.4**	**.0080**	**62**
Caddo	**258**	**All mfg.**	**114**	**38**	**1,872.8**	**.1084**	**82**
3325		Steel foundries n.e.c.	2	2	51.2	1.9711	100
3443		Fabricated plate work (boiler shops)	4	3	97.5	1.1027	98
3483		Ammunition, except small-arms, n.e.c.	2	2	36.4	4.2899	100
3661		Telephone & telegraph apparatus	1	1	355.5	2.7963	100
Calcasieu	**140**	**All mfg.**	**50**	**19**	**5,593.6**	**.3237**	**97**
2822		Synthetic rubber	2	2	105.2	4.3739	100
2869		Industrial organic chemicals n.e.c.	7	3	466.3	1.5462	86
2911		Petroleum refining	2	2	4,509.4	2.8831	100
Caldwell		**All mfg.**	**1**		**2.6**	**.0002**	**0**
Cameron		**All mfg.**	**9**	**3**	**103.7**	**.0060**	**69**
Catahoula		**All mfg.**	**2**	**2**	**10.9**	**.0006**	**100**
Claiborne		**All mfg.**	**8**	**3**	**92.6**	**.0054**	**38**
Concordia		**All mfg.**	**6**	**1**	**19.3**	**.0011**	**20**
De Soto		**All mfg.**	**10**	**5**	**84.4**	**.0049**	**77**
East Baton Rouge	**26**	**All mfg.**	**95**	**29**	**8,407.7**	**.4866**	**97**
2819		Industrial inorganic chemicals n.e.c.	4	3	186.0	1.7272	98
2822		Synthetic rubber	3	3	316.1	13.1424	100
2869		Industrial organic chemicals n.e.c.	1	1	603.7	2.0018	100
2911		Petroleum refining	1	1	6,604.7	4.2228	100
3483		Ammunition, except small-arms, n.e.c.	1	1	28.0	3.2999	100
East Carroll		**All mfg.**	**4**		**9.6**	**.0006**	**0**
East Feliciana		**All mfg.**	**4**		**11.8**	**.0007**	**0**
Evangeline		**All mfg.**	**4**	**2**	**51.4**	**.0030**	**76**
Franklin		**All mfg.**	**5**	**1**	**24.8**	**.0014**	**45**
Grant	**6**	**All mfg.**	**3**	**1**	**35.5**	**.0021**	**63**
Iberia		**All mfg.**	**35**	**14**	**251.5**	**.0146**	**75**
Iberville		**All mfg.**	**16**	**4**	**1,119.0**	**.0648**	**91**
2869		Industrial organic chemicals n.e.c.	6	2	955.6	3.1686	94
Jackson		**All mfg.**	**4**	**2**	**117.7**	**.0068**	**97**
Jefferson	**192**	**All mfg.**	**111**	**46**	**1,356.2**	**.0785**	**84**
3441		Fabricated structural metal	11	4	49.5	.8032	73
3731		Ship building & repairing	10	5	110.1	1.3462	86
Jefferson Davis		**All mfg.**	**7**	**2**	**232.2**	**.0134**	**6**
Lafayette	**139**	**All mfg.**	**45**	**14**	**537.3**	**.0311**	**80**
Lafourche		**All mfg.**	**32**	**8**	**262.6**	**.0152**	**68**
La Salle		**All mfg.**	**5**	**4**	**112.1**	**.0065**	**99**
Lincoln		**All mfg.**	**15**	**2**	**71.2**	**.0041**	**38**
Livingston	**26**	**All mfg.**	**12**	**3**	**124.1**	**.0072**	**80**
Madison		**All mfg.**	**2**	**2**	**17.0**	**.0010**	**100**
Morehouse		**All mfg.**	**11**	**4**	**254.3**	**.0147**	**85**
2621		Paper mills, except building paper	1	1	157.8	.8489	100
Natchitoches		**All mfg.**	**7**	**1**	**51.9**	**.0030**	**63**
Orleans	**192**	**All mfg.**	**239**	**82**	**3,728.8**	**.2158**	**85**
2051		Bread, cake, & related products	13	4	83.1	.7407	72
2095		Roasted coffee	6	4	616.1	8.6407	93
2221		Synthetics- & silk-weaving mills	1	1	88.7	1.2109	100
2711		Newspapers	3	1	59.3	.3687	95
3599		Machinery, except electrical, n.e.c.	9	3	69.0	.6274	77
3731		Ship building & repairing	10	4	497.9	6.0878	97

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
3732		Boat building & repairing	1	1	71.6	3.2027	100
3769		Space-vehicle equipment n.e.c.	1	1	151.8	16.4197	100
Ouachita	**179**	**All mfg.**	**51**	**16**	**966.4**	**.0559**	**88**
2631		Paperboard mills	1	1	418.4	3.9901	100
Plaquemines		**All mfg.**	**19**	**11**	**1,181.3**	**.0684**	**97**
Pointe Coupee		**All mfg.**	**4**		**12.7**	**.0007**	**0**
Rapides	**6**	**All mfg.**	**39**	**12**	**300.1**	**.0174**	**76**
Red River		**All mfg.**	**4**	**1**	**40.3**	**.0023**	**81**
Richland		**All mfg.**	**5**	**2**	**27.6**	**.0016**	**72**
Sabine		**All mfg.**	**6**	**4**	**86.2**	**.0050**	**77**
St. Bernard	**192**	**All mfg.**	**11**	**5**	**1,052.3**	**.0609**	**94**
3334		Primary aluminum	1	1	472.2	7.1895	100
St. Charles		**All mfg.**	**12**	**7**	**2,113.8**	**.1223**	**97**
2821		Plastics materials & synthetic resins	2	1	155.7	1.1354	96
St. James		**All mfg.**	**10**	**7**	**780.3**	**.0452**	**87**
St. John the Baptist		**All mfg.**	**9**	**6**	**648.8**	**.0375**	**98**
St. Landry		**All mfg.**	**21**	**4**	**257.5**	**.0149**	**35**
St. Martin		**All mfg.**	**8**	**2**	**79.0**	**.0046**	**75**
2254		Knit-underwear mills	1	1	51.2	7.0214	100
St. Mary		**All mfg.**	**41**	**14**	**325.0**	**.0188**	**73**
3441		Fabricated structural metal	2	1	46.5	.7545	93
3533		Oil-field machinery	9	4	89.4	1.8441	79
St. Tammany	**192**	**All mfg.**	**11**	**4**	**106.7**	**.0062**	**81**
Tangipahoa		**All mfg.**	**35**	**5**	**160.4**	**.0093**	**41**
Tensas		**All mfg.**	**2**	**1**	**7.0**	**.0004**	**66**
Terrebonne		**All mfg.**	**34**	**11**	**278.3**	**.0161**	**68**
3731		Ship building & repairing	6	4	55.3	.6761	88
Union		**All mfg.**	**7**	**1**	**43.4**	**.0025**	**34**
Vermilion		**All mfg.**	**11**	**5**	**251.8**	**.0146**	**88**
Vernon		**All mfg.**	**2**		**8.0**	**.0005**	**0**
Washington		**All mfg.**	**15**	**5**	**313.7**	**.0182**	**82**
2621		Paper mills, except building paper	1	1	197.4	1.0619	100
Webster	**258**	**All mfg.**	**24**	**11**	**276.8**	**.0160**	**47**
West Baton Rouge	**26**	**All mfg.**	**13**	**6**	**262.0**	**.0152**	**28**
West Carroll		**All mfg.**	**2**	**2**	**16.5**	**.0010**	**100**
West Feliciana		**All mfg.**	**5**	**2**	**128.3**	**.0074**	**87**
2641		Paper coating & glazing	1	1	95.4	2.2392	100
Winn		**All mfg.**	**11**	**5**	**165.3**	**.0096**	**83**
2421		General sawmills & planing mills	4	3	103.2	.8280	93
State Total		**All mfg.**	**1,381**	**482**	**36,344.1**	**2.1034**	**88**

MAINE

County SIC	Metro Area	Industry	Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Androscoggin	**149**	**All mfg.**	**118**	**39**	**793.5**	**.0459**	**76**
2211		Cotton-weaving mills	2	2	50.7	.9668	100
3143		Men's nonathletic footwear	8	8	74.4	3.4083	100
3144		Women's nonathletic footwear	5	4	48.2	2.8798	97
3149		Nonrubber footwear n.e.c.	5	3	14.0	1.8983	85
Aroostook		**All mfg.**	**62**	**20**	**743.4**	**.0430**	**76**
2037		Frozen fruits & vegetables	5	5	157.4	3.7361	100
2421		General sawmills & planing mills	9	4	96.7	.7759	84
2621		Paper mills, except building paper	1	1	131.5	.7074	100
Cumberland	**217**	**All mfg.**	**194**	**62**	**1,794.7**	**.1039**	**80**
2621		Paper mills, except building paper	2	2	341.9	1.8393	100
3143		Men's nonathletic footwear	4	4	58.1	2.6616	100
3573		Electronic computing equipment	1	1	107.0	.4426	100
3674		Semiconductors & related devices	2	2	156.0	2.0765	100
Franklin		**All mfg.**	**30**	**10**	**332.4**	**.0192**	**84**
2499		Wood products n.e.c.	13	3	49.1	1.6799	65
2621		Paper mills, except building paper	2	2	204.0	1.0974	100
3149		Nonrubber footwear n.e.c.	4	3	19.2	2.6034	97
Hancock		**All mfg.**	**27**	**11**	**277.7**	**.0161**	**82**
2621		Paper mills, except building paper	1	1	131.5	.7074	100
Kennebec		**All mfg.**	**59**	**26**	**742.6**	**.0430**	**86**
2231		Wool-fabric weaving & finishing mills	5	5	27.0	4.0030	100
2621		Paper mills, except building paper	1	1	171.1	.9205	100
2646		Pressed & molded pulp goods	1	1	79.0	26.5546	100
Knox		**All mfg.**	**39**	**12**	**247.5**	**.0143**	**63**
Lincoln		**All mfg.**	**17**	**3**	**85.1**	**.0049**	**49**
Oxford		**All mfg.**	**45**	**21**	**578.4**	**.0335**	**90**
2499		Wood products n.e.c.	15	9	93.7	3.2058	86

1980 (S&MM Est.)

MAINE (Oxford, cont.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
2621		Paper mills, except building paper	1	1	328.9	1.7694	100
Penobscot	**25**	**All mfg.**	**83**	**33**	**1,066.5**	**.0617**	**78**
2611		Pulp mills	2	2	155.5	5.0934	100
2621		Paper mills, except building paper	3	3	214.0	1.1512	100
3143		Men's nonathletic footwear	2	2	83.1	3.8069	100
3144		Women's nonathletic footwear	2	2	37.6	2.2465	100
Piscataquis		**All mfg.**	**15**	**6**	**68.5**	**.0040**	**64**
Sagadahoc	**217**	**All mfg.**	**12**	**6**	**139.5**	**.0081**	**86**
3731		Ship building & repairing	1	1	92.2	1.1273	100
Somerset		**All mfg.**	**39**	**17**	**284.0**	**.0164**	**79**
2499		Wood products n.e.c.	10	4	51.1	1.7483	84
3149		Nonrubber footwear n.e.c.	2	2	34.8	4.7186	100
Waldo		**All mfg.**	**19**	**7**	**152.5**	**.0088**	**73**
Washington		**All mfg.**	**36**	**9**	**332.5**	**.0192**	**74**
2621		Paper mills, except building paper	1	1	157.8	.8489	100
York		**All mfg.**	**85**	**32**	**660.3**	**.0382**	**80**
3079		Miscellaneous plastics products	9	4	63.6	.2481	82
3111		Leather tanning & finishing	3	2	77.2	4.1619	97
3484		Small arms	1	1	50.7	5.4254	100
State Total		**All mfg.**	**880**	**314**	**8,299.1**	**.4803**	**79**

MARYLAND

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Allegany		**All mfg.**	**33**	**14**	**1,018.0**	**.0589**	**92**
2621		Paper mills, except building paper	1	1	263.0	1.4148	100
3011		Tires & inner tubes	1	1	297.8	2.9122	100
Anne Arundel	**24**	**All mfg.**	**64**	**21**	**541.9**	**.0314**	**75**
3662		Radio & TV communication equipment	2	2	123.7	.5262	100
Baltimore	**24**	**All mfg.**	**288**	**126**	**5,340.1**	**.3091**	**89**
2085		Distilled liquor, except brandy	3	2	206.5	6.9948	94
2311		Men's & boys' suits & coats	4	2	39.6	1.0916	87
2654		Sanitary food containers	3	2	290.3	12.1826	99
3079		Miscellaneous plastics products	10	8	91.5	.3570	92
3312		Blast furnaces & steel mills	1	1	171.6	.3394	100
3411		Metal cans	6	5	210.2	2.4694	96
3499		Fabricated metal products n.e.c.	4	3	59.0	1.4050	94
3573		Electronic computing equipment	3	2	115.8	.4790	93
3661		Telephone & telegraph apparatus	2	1	565.7	4.4497	99
3662		Radio & TV communication equipment	7	5	162.7	.6920	94
3679		Electronic components n.e.c.	4	3	86.9	1.1456	98
3711		Motor vehicles & passenger-car bodies	1	1	803.6	1.1953	100
3825		Electricity-measuring instruments	2	2	96.1	2.4680	100
Baltimore Ind. City	**24**	**All mfg.**	**522**	**163**	**7,814.2**	**.4523**	**84**
2013		Sausages & other prepared meats	10	2	195.3	1.8110	70
2026		Fluid milk	5	5	299.9	1.7826	100
2051		Bread, cake, & related products	9	4	74.4	.6632	74
2311		Men's & boys' suits & coats	17	11	105.0	2.8944	93
2651		Folding paperboard boxes	9	6	94.8	3.3176	89
2711		Newspapers	6	4	222.8	1.3852	98
2751		Letterpress commercial printing	19	3	28.9	.5287	39
2819		Industrial inorganic chemicals n.e.c.	8	5	148.6	1.3799	88
2851		Paints & allied products	11	5	142.8	1.6844	80
3079		Miscellaneous plastics products	10	3	72.7	.2836	69
3221		Glass containers	5	3	61.3	2.1865	94
3312		Blast furnaces & steel mills	2	2	2,536.2	5.0159	100
3411		Metal cans	3	3	160.2	1.8820	100
3441		Fabricated structural metal	11	2	51.0	.8275	72
3444		Sheet-metal work	14	3	53.4	.9262	50
3592		Carburetors, pistons, rings, & valves	2	1	94.5	3.8961	96
3693		X-ray apparatus & tubes	1	1	145.0	6.5418	100
3731		Ship building & repairing	5	4	148.0	1.8096	97
Calvert		**All mfg.**	**7**		**15.9**	**.0009**	**0**
Caroline		**All mfg.**	**19**	**9**	**119.6**	**.0069**	**81**
Carroll	**24**	**All mfg.**	**48**	**20**	**508.7**	**.0294**	**82**
2311		Men's & boys' suits & coats	5	5	42.7	1.1771	100
3546		Power-driven hand tools	1	1	102.6	10.2569	100
Cecil	**295**	**All mfg.**	**30**	**10**	**277.0**	**.0160**	**74**
Charles	**287**	**All mfg.**	**11**	**1**	**50.1**	**.0029**	**46**
Dorchester		**All mfg.**	**39**	**13**	**391.5**	**.0227**	**72**
Frederick		**All mfg.**	**54**	**23**	**653.6**	**.0378**	**83**
Garrett		**All mfg.**	**13**	**5**	**76.2**	**.0044**	**68**
Harford	**24**	**All mfg.**	**29**	**10**	**209.6**	**.0121**	**66**
3021		Rubber & plastic footwear	1	1	39.4	6.6870	100
Howard	**24**	**All mfg.**	**39**	**16**	**568.3**	**.0329**	**91**
3585		Refrigeration & heating equipment	1	1	139.1	.8036	100
3631		Household cooking equipment	1	1	92.2	4.6446	100
Kent		**All mfg.**	**14**	**3**	**113.0**	**.0065**	**59**
Montgomery	**287**	**All mfg.**	**161**	**38**	**1,332.4**	**.0771**	**77**
3573		Electronic computing equipment	7	3	146.8	.6072	90
3662		Radio & TV communication equipment	19	10	220.6	.9383	84
3764		Space-propulsion units & parts	1	1	312.2	29.4695	100
Prince Georges	**287**	**All mfg.**	**155**	**47**	**1,169.8**	**.0677**	**77**
3662		Radio & TV communication equipment	4	1	91.4	.3888	91
Queen Annes		**All mfg.**	**11**	**2**	**65.0**	**.0038**	**50**
St. Marys		**All mfg.**	**5**		**12.0**	**.0007**	**0**
Somerset		**All mfg.**	**23**	**7**	**165.7**	**.0096**	**65**
Talbot		**All mfg.**	**36**	**11**	**292.4**	**.0169**	**61**
Washington	**108**	**All mfg.**	**75**	**32**	**1,310.5**	**.0758**	**91**
3519		Internal-combustion engines n.e.c.	1	1	561.5	6.0408	100
3721		Aircraft	1	1	228.3	.9999	100
Wicomico		**All mfg.**	**42**	**18**	**769.4**	**.0445**	**88**
2048		Prepared feeds n.e.c.	1	1	316.6	2.8049	100
Worcester		**All mfg.**	**20**	**8**	**226.7**	**.0131**	**81**
2016		Poultry-dressing plants	3	3	103.5	1.4462	100
State Total		**All mfg.**	**1,738**	**597**	**23,041.6**	**1.3336**	**84**

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

MASSACHUSETTS

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Barnstable		**All mfg.**	**32**	**5**	**128.1**	**.0074**	**38**
Berkshire	**215**	**All mfg.**	**83**	**29**	**1,386.7**	**.0803**	**89**
2621		Paper mills, except building paper	7	5	202.8	1.0910	96
3612		Transformers	1	1	135.4	4.5424	100
3662		Radio & TV communication equipment	1	1	363.8	1.5474	100
3675		Electronic capacitors	1	1	61.4	5.9016	100
Bristol	**187**	**All mfg.**	**519**	**215**	**4,493.0**	**.2600**	**80**
2092		Fresh or frozen packaged seafoods	13	3	103.3	4.0510	54
2221		Synthetics- & silk-weaving mills	4	3	167.1	2.2811	99
2261		Cotton-finishing plants	8	6	31.7	3.1665	89
2311		Men's & boys' suits & coats	11	9	127.1	3.5036	97
2321		Men's & boys' shirts & nightwear	4	2	30.2	.8194	91
2329		Men's & boys' clothing n.e.c.	8	7	28.9	2.1551	92
2335		Women's & misses' dresses	31	21	266.9	4.9371	86
2337		Women's & misses' suits & coats	11	7	129.5	3.5156	84
2341		Women's & children's underwear	11	6	42.9	1.8851	83
2391		Curtains & draperies	15	7	105.4	8.5677	79
3069		Fabricated rubber products n.e.c.	4	1	43.8	.9525	87
3079		Miscellaneous plastics products	13	7	106.7	.4163	80
3172		Personal leather goods n.e.c.	6	4	39.0	8.8255	93
3545		Machine-tool accessories	3	2	44.3	2.2625	98
3551		Food-products machinery	2	1	121.0	3.8866	96
3622		Industrial controls	1	1	86.9	2.7332	100
3679		Electronic components n.e.c.	11	7	72.0	.9492	92
3911		Precious-metal jewelry	26	11	296.9	12.1298	84
3914		Silverware & plated & stainless ware	9	7	78.9	16.3253	96
3949		Sporting & athletic goods n.e.c.	1	1	56.2	2.0516	100
3961		Costume jewelry	10	3	40.2	4.5511	75
Dukes		**All mfg.**	**2**		**2.4**	**.0001**	**0**
Essex	**39**	**All mfg.**	**554**	**163**	**5,181.9**	**.2999**	**78**
2092		Fresh or frozen packaged seafoods	10	2	149.1	5.8471	75
2221		Synthetics- & silk-weaving mills	1	1	185.4	2.5309	100
2329		Men's & boys' clothing n.e.c.	7	3	26.4	1.9687	75
2711		Newspapers	14	6	72.3	.4495	78
2891		Adhesives & sealants	7	3	125.6	4.7932	80

County SIC	Metro Area Industry	Number Of Plants Total Plants	 Large Plants	1980 (S&MM Est.) Total Shipments ($Mil.)	 % Of U.S. Shipments	 % In Large Plants
3079	Miscellaneous plastics products	21	8	135.5	.5286	76
3111	Leather tanning & finishing	47	10	304.3	16.4052	58
3131	Boot & shoe cut stock & findings	23	8	38.3	12.5368	55
3144	Women's nonathletic footwear	10	8	82.6	4.9352	95
3149	Nonrubber footwear n.e.c.	8	4	24.3	3.2949	92
3494	Valves & pipe fittings	3	2	96.8	1.3999	96
3511	Turbines & turbine-generator set units	1	1	385.7	10.3630	100
3552	Textile machinery	3	2	58.1	3.5760	98
3559	Special-industry machinery n.e.c.	12	3	158.5	2.5044	83
3641	Electric lamps	2	2	100.6	4.9552	100
3661	Telephone & telegraph apparatus	4	1	661.6	5.2040	98
3674	Semiconductors & related devices	5	4	90.6	1.2060	98
3679	Electronic components n.e.c.	18	7	97.6	1.2867	86
Franklin	**All mfg.**	**49**	**17**	**381.8**	**.0221**	**70**
2621	Paper mills, except building paper	5	5	137.3	.7386	100
3545	Machine-tool accessories	3	2	34.0	1.7365	97
Hampden	**264 All mfg.**	**430**	**138**	**4,332.5**	**.2507**	**82**
2051	Bread, cake, & related products	9	7	72.8	.6489	96
2621	Paper mills, except building paper	8	8	378.8	2.0378	100
2642	Envelopes	4	3	118.1	9.6094	99
2711	Newspapers	8	2	66.4	.4128	78
2782	Blankbooks & looseleaf binders	6	3	92.3	7.0496	90
2821	Plastics materials & synthetic resins	4	4	155.9	1.1368	100
3011	Tires & inner tubes	1	1	156.9	1.5344	100
3079	Miscellaneous plastics products	25	6	119.0	.4643	54
3172	Personal leather goods n.e.c.	2	1	42.4	9.5949	96
3423	Hand & edge tools n.e.c.	2	1	89.4	3.2800	98
3484	Small arms	3	2	120.4	12.8839	98
3544	Special dies, tools, jigs, & fixtures	22	7	41.3	1.3380	63
3568	Power-transmission equipment n.e.c.	4	3	36.4	2.7180	93
3573	Electronic computing equipment	3	3	504.2	2.0855	100
3761	Guided missiles & space vehicles	1	1	114.4	1.6959	100
3944	Games, toys, & children's vehicles	2	1	101.1	3.1279	96
3949	Sporting & athletic goods n.e.c.	2	1	95.0	3.4680	99
Hampshire	**264 All mfg.**	**67**	**25**	**629.6**	**.0364**	**82**
2641	Paper coating & glazing	3	3	124.1	2.9128	100
3991	Brooms & brushes	3	3	104.9	13.5128	100
Middlesex	**39 All mfg.**	**1,284**	**381**	**13,163.8**	**.7619**	**79**
2024	Ice cream & frozen desserts	4	2	132.5	5.2200	93
2051	Bread, cake, & related products	12	4	96.6	.8611	81
2065	Confectionery products	11	5	171.2	3.0479	85
2295	Coated fabrics, not rubberized	7	2	109.7	8.4158	86
2335	Women's & misses' dresses	7	3	55.7	1.0303	80
2649	Converted paper products n.e.c.	5	2	197.3	10.2889	97
2651	Folding paperboard boxes	10	5	80.8	2.8276	83
2653	Corrugated & solid fiber boxes	10	6	78.4	.9312	73
2711	Newspapers	29	4	106.6	.6628	41
2731	Book publishing	12	5	114.3	1.8736	79
2732	Book printing	2	2	99.2	4.7435	100
2751	Letterpress commercial printing	25	8	54.7	1.0008	61
2752	Lithographic commercial printing	11	5	129.7	1.1017	78
2869	Industrial organic chemicals n.e.c.	5	2	363.4	1.2050	88
3021	Rubber & plastic footwear	1	1	28.3	4.8031	100
3079	Miscellaneous plastics products	47	12	337.3	1.3159	71
3144	Women's nonathletic footwear	6	6	77.3	4.6185	100
3149	Nonrubber footwear n.e.c.	3	3	21.2	2.8746	100
3357	Nonferrous-wire drawing & insulating	3	3	184.4	1.9756	100
3444	Sheet-metal work	25	3	57.7	1.0008	28
3452	Bolts, nuts, rivets, & washers	5	3	101.4	2.5801	97
3469	Metal stampings n.e.c.	22	7	109.2	1.9392	71
3555	Printing-trades machinery	9	3	208.0	9.1987	92
3559	Special-industry machinery n.e.c.	16	7	145.5	2.2990	82
3569	General industrial machinery n.e.c.	17	4	82.6	3.7893	80
3573	Electronic computing equipment	37	23	1,613.0	6.6718	95
3622	Industrial controls	10	2	47.1	1.4814	55
3643	Current-carrying wiring devices	6	3	44.6	2.2193	91
3651	Radio & TV receiving sets	8	6	203.8	3.0155	98
3662	Radio & TV communication equipment	42	15	773.0	3.2879	86
3674	Semiconductors & related devices	23	7	211.7	2.8180	73
3679	Electronic components n.e.c.	62	22	233.1	3.0730	71
3711	Motor vehicles & passenger-car bodies	1	1	743.4	1.1058	100
3724	Aircraft engines & engine parts	1	1	175.0	1.6162	100
3761	Guided missiles & space vehicles	3	3	257.2	3.8128	100
3811	Engineering & scientific instruments	24	9	156.3	5.6725	82
3822	Environmental controls	8	2	67.5	3.7080	83
3825	Electricity-measuring instruments	11	6	63.7	1.6359	75
3829	Measuring & controlling devices n.e.c.	23	11	169.4	10.0445	87
3832	Optical instruments & lenses	12	6	140.2	7.0923	87
3841	Surgical & medical instruments	13	5	108.5	4.2111	80
3861	Photographic equipment & supplies	12	3	948.4	6.2089	92
3873	Watches, clocks, & watchcases	3	3	46.8	3.7081	100
Norfolk	**39 All mfg.**	**414**	**127**	**3,880.6**	**.2246**	**79**
2086	Bottled & canned soft drinks	10	6	193.6	1.4943	88
2621	Paper mills, except building paper	3	3	141.5	.7612	100
2771	Greeting-card publishing	1	1	60.2	4.3453	100
3069	Fabricated rubber products n.e.c.	8	3	41.7	.9068	87
3079	Miscellaneous plastics products	12	2	71.6	.2793	60
3494	Valves & pipe fittings	6	4	132.6	1.9177	97
3534	Elevators & moving stairways	2	2	39.5	6.4385	100
3662	Radio & TV communication equipment	12	5	282.2	1.2003	91
3671	Receiving-type electron tubes	2	1	29.1	13.5412	99
3679	Electronic components n.e.c.	11	7	84.1	1.1087	95
3731	Ship building & repairing	1	1	203.3	2.4857	100
3811	Engineering & scientific instruments	12	7	149.0	5.4076	92
3823	Industrial process-control instruments	2	1	111.3	4.7095	96
3841	Surgical & medical instruments	9	3	59.7	2.3171	73
Plymouth	**39 All mfg.**	**234**	**60**	**1,098.8**	**.0636**	**58**
3131	Boot & shoe cut stock & findings	16	4	26.4	8.6416	50
3143	Men's nonathletic footwear	5	4	52.7	2.4142	98
3149	Nonrubber footwear n.e.c.	7	7	37.8	5.1254	100
3679	Electronic components n.e.c	6	4	39.8	.5247	95
Suffolk	**39 All mfg.**	**634**	**170**	**5,404.2**	**.3128**	**75**
2011	Meat-packing plants	4	2	346.7	.8936	93
2013	Sausages & other prepared meats	7	4	203.5	1.8871	82
2051	Bread, cake, & related products	8	5	71.2	.6346	90
2065	Confectionery products	5	3	130.7	2.3269	95
2092	Fresh or frozen packaged seafoods	4	1	101.4	3.9765	90
2311	Men's & boys' suits & coats	11	5	38.6	1.0640	75
2328	Men's & boys' work clothing	2	1	55.6	1.1724	98
2337	Women's & misses' suits & coats	21	2	112.3	3.0486	24
2339	Women's & misses' outerwear n.e.c.	15	4	59.0	1.4710	52
2385	Waterproof outer garments	7	4	59.3	12.7692	90
2711	Newspapers	11	3	226.8	1.4101	92
2731	Book publishing	12	6	145.9	2.3916	89
2751	Letterpress commercial printing	33	5	69.1	1.2642	52
2752	Lithographic commercial printing	17	4	123.7	1.0508	55
3149	Nonrubber footwear n.e.c.	3	3	24.3	3.2949	100
3421	Cutlery	1	1	167.7	19.0417	100
3573	Electronic computing equipment	3	3	355.4	1.4700	100
3825	Electricity-measuring instruments	2	1	62.1	1.5948	95
Worcester	**297 All mfg.**	**701**	**212**	**5,708.7**	**.3304**	**78**
2231	Wool-fabric weaving & finishing mills	12	9	48.9	7.2498	93
2261	Cotton-finishing plants	1	1	38.1	3.8058	100
2511	Wood household furniture	25	9	83.5	1.7855	71
2512	Upholstered wood household furniture	18	5	64.4	2.0193	67
2621	Paper mills, except building paper	6	4	178.2	.9586	90
2711	Newspapers	6	1	58.9	.3662	80
2821	Plastics materials & synthetic resins	9	5	185.0	1.3490	88
3079	Miscellaneous plastics products	72	23	388.4	1.5153	61
3143	Men's nonathletic footwear	3	3	44.5	2.0386	100
3149	Nonrubber footwear n.e.c.	4	4	20.4	2.7661	100
3291	Abrasive products	4	3	430.2	17.6023	98
3315	Steel wire & related products	6	4	125.2	4.6239	93
3423	Hand & edge tools n.e.c.	10	4	77.4	2.8397	80
3429	Hardware n.e.c.	2	1	103.0	1.6360	97
3469	Metal stampings n.e.c.	12	2	52.2	.9270	54
3494	Valves & pipe fittings	7	4	134.9	1.9509	93
3511	Turbines & turbine-generator set units	3	2	138.8	3.7293	97
3541	Metal-cutting machine tools	12	6	75.0	3.1765	87
3544	Special dies, tools, jigs, & fixtures	19	2	33.0	1.0691	44
3545	Machine-tool accessories	8	5	90.2	4.6067	96
3552	Textile machinery	12	3	74.2	4.5670	78
3573	Electronic computing equipment	5	3	508.5	2.1033	98
3679	Electronic components n.e.c.	8	2	43.2	.5695	80

1980 (S&MM Est.)

MASSACHUSETTS (Worcester, cont.)

County SIC	Metro Area	Industry	Number Of Plants Total Plants	 Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
3832		Optical instruments & lenses	5	2	74.3	3.7586	91
3851		Ophthalmic goods	6	4	42.8	5.7258	97
3873		Watches, clocks, & watchcases	1	1	127.9	10.1339	100
3944		Games, toys, & children's vehicles	7	3	54.8	1.6954	84
State Total		**All mfg.**	**5,003**	**1,542**	**45,792.1**	**2.6503**	**78**

MICHIGAN

County SIC	Metro Area	Industry	Number Of Plants Total Plants	 Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Alcona		**All mfg.**	**5**		**6.8**	**.0004**	**0**
Alger		**All mfg.**	**4**	**2**	**73.4**	**.0042**	**95**
Allegan		**All mfg.**	**49**	**18**	**520.9**	**.0301**	**83**
Alpena		**All mfg.**	**21**	**5**	**135.2**	**.0078**	**62**
Antrim		**All mfg.**	**20**	**5**	**70.7**	**.0041**	**61**
Arenac		**All mfg.**	**11**	**3**	**41.9**	**.0024**	**71**
Baraga		**All mfg.**	**10**	**2**	**37.5**	**.0022**	**52**
Barry	**27**	**All mfg.**	**20**	**9**	**150.6**	**.0087**	**88**
Bay	**28**	**All mfg.**	**76**	**27**	**949.7**	**.0550**	**85**
3714		Motor-vehicle parts & accessories	3	3	194.0	.6153	100
Benzie		**All mfg.**	**11**	**4**	**63.9**	**.0037**	**71**
Berrien	**30**	**All mfg.**	**182**	**49**	**1,815.2**	**.1051**	**79**
2741		Miscellaneous publishing	1	1	60.4	2.6654	100
3079		Miscellaneous plastics products	13	1	67.9	.2649	37
3322		Malleable-iron foundries	1	1	84.3	10.6413	100
3361		Aluminum foundries	12	4	90.0	2.6339	73
3633		Household laundry equipment	1	1	158.5	6.9873	100
3651		Radio & TV receiving sets	4	3	96.2	1.4234	98
3714		Motor-vehicle parts & accessories	4	4	134.3	.4259	100
Branch		**All mfg.**	**52**	**15**	**457.5**	**.0265**	**71**
Calhoun	**27**	**All mfg.**	**114**	**32**	**2,281.2**	**.1320**	**90**
2043		Cereal breakfast foods	3	3	1,242.9	40.4129	100
3322		Malleable-iron foundries	1	1	55.3	6.9806	100
3537		Industrial trucks & tractors	2	1	100.0	4.0045	98
3714		Motor-vehicle parts & accessories	5	3	209.4	.6641	95
Cass	**30**	**All mfg.**	**44**	**9**	**361.4**	**.0209**	**75**
3585		Refrigeration & heating equipment	1	1	153.0	.8839	100
3792		Travel trailers & campers	5	2	62.2	3.0021	84
Charlevoix		**All mfg.**	**24**	**7**	**140.6**	**.0081**	**59**
Cheboygan		**All mfg.**	**18**	**3**	**107.7**	**.0062**	**65**
Chippewa		**All mfg.**	**8**	**2**	**31.1**	**.0018**	**59**
Clare		**All mfg.**	**17**	**2**	**50.3**	**.0029**	**38**
Clinton	**143**	**All mfg.**	**13**	**4**	**75.8**	**.0044**	**82**
Crawford		**All mfg.**	**9**		**37.1**	**.0021**	**0**
Delta		**All mfg.**	**30**	**3**	**333.4**	**.0193**	**81**
3531		Construction machinery	1	1	145.8	.8974	100
Dickinson		**All mfg.**	**27**	**5**	**104.7**	**.0061**	**60**
Eaton	**143**	**All mfg.**	**40**	**8**	**332.5**	**.0192**	**73**
Emmet		**All mfg.**	**17**	**4**	**105.2**	**.0061**	**69**
Genesee	**89**	**All mfg.**	**116**	**22**	**9,031.5**	**.5227**	**98**
3465		Automotive stampings	1	1	604.8	4.9162	100
3694		Engine electrical equipment	2	1	803.9	17.9590	100
3711		Motor vehicles & passenger-car bodies	5	5	6,831.2	10.1611	100
3714		Motor-vehicle parts & accessories	5	2	318.1	1.0088	97
Gladwin		**All mfg.**	**9**	**2**	**43.3**	**.0025**	**59**
Gogebic		**All mfg.**	**17**	**2**	**55.7**	**.0032**	**18**
Grand Traverse		**All mfg.**	**38**	**9**	**359.1**	**.0208**	**50**
Gratiot		**All mfg.**	**24**	**7**	**951.4**	**.0551**	**93**
Hillsdale		**All mfg.**	**48**	**13**	**341.2**	**.0197**	**72**
Houghton		**All mfg.**	**21**	**4**	**65.8**	**.0038**	**35**
Huron		**All mfg.**	**33**	**7**	**271.0**	**.0157**	**76**
3465		Automotive stampings	3	3	144.4	1.1738	100
Ingham	**143**	**All mfg.**	**137**	**33**	**5,102.8**	**.2953**	**93**
3462		Iron & steel forgings	5	5	242.5	6.9766	100
3711		Motor vehicles & passenger-car bodies	5	4	4,246.3	6.3162	100
Ionia	**143**	**All mfg.**	**38**	**12**	**452.1**	**.0262**	**66**
Iosco		**All mfg.**	**17**	**2**	**82.0**	**.0047**	**56**
Iron		**All mfg.**	**9**	**1**	**38.1**	**.0022**	**59**
Isabella		**All mfg.**	**15**	**4**	**148.3**	**.0086**	**81**
Jackson	**119**	**All mfg.**	**148**	**36**	**1,149.7**	**.0665**	**77**
3011		Tires & inner tubes	1	1	156.9	1.5344	100
3441		Fabricated structural metal	3	1	67.7	1.0985	94
3599		Machinery, except electrical, n.e.c.	13	3	74.2	.6747	66
3714		Motor-vehicle parts & accessories	13	8	316.2	1.0028	95
Kalamazoo	**129**	**All mfg.**	**182**	**58**	**2,639.6**	**.1528**	**80**
2621		Paper mills, except building paper	5	4	356.4	1.9173	98
2834		Pharmaceutical preparations	2	1	387.0	2.3338	98
3079		Miscellaneous plastics products	11	5	86.3	.3367	82
3465		Automotive stampings	1	1	481.1	3.9107	100
3714		Motor-vehicle parts & accessories	3	2	119.0	.3774	99
Kalkaska		**All mfg.**	**4**		**11.6**	**.0007**	**0**
Kent	**102**	**All mfg.**	**543**	**120**	**4,668.9**	**.2702**	**77**
2051		Bread, cake, & related products	9	4	70.9	.6320	82
2396		Automotive & apparel trimmings	3	2	636.9	24.3668	99
2511		Wood household furniture	10	5	50.1	1.0713	84
2515		Mattresses & bedsprings	7	1	59.1	3.5823	83
2522		Metal office furniture	1	1	143.0	8.8452	100
2531		Public-building & related furniture	5	2	67.3	7.6408	92
2841		Soap & other detergents	2	1	351.2	4.4136	99
3079		Miscellaneous plastics products	15	3	88.6	.3457	68
3354		Aluminum extruded products	3	2	147.0	5.0732	97
3429		Hardware n.e.c.	13	8	297.9	4.7317	96
3471		Plating & polishing	26	6	82.2	3.8514	62
3535		Conveyors & conveying equipment	4	1	85.6	3.4740	91
3544		Special dies, tools, jigs, & fixtures	33	2	55.7	1.8045	45
3592		Carburetors, pistons, rings, & valves	1	1	193.5	7.9777	100
3631		Household cooking equipment	1	1	61.5	3.0981	100
3662		Radio & TV communication equipment	4	1	141.1	.6002	92
3714		Motor-vehicle parts & accessories	7	3	81.0	.2569	83
Keweenaw		**All mfg.**	**3**		**7.2**	**.0004**	**0**
Lapeer	**75**	**All mfg.**	**33**	**11**	**230.4**	**.0133**	**75**
Leelanau		**All mfg.**	**6**		**10.9**	**.0006**	**0**
Lenawee		**All mfg.**	**97**	**33**	**1,299.7**	**.0752**	**86**
3585		Refrigeration & heating equipment	4	3	352.5	2.0364	98
3714		Motor-vehicle parts & accessories	6	5	158.8	.5036	96
Livingston	**75**	**All mfg.**	**75**	**12**	**371.3**	**.0215**	**35**
Luce		**All mfg.**	**2**		**4.6**	**.0003**	**0**
Mackinac		**All mfg.**	**4**		**5.4**	**.0003**	**0**
Macomb	**75**	**All mfg.**	**723**	**125**	**7,112.8**	**.4117**	**82**
3079		Miscellaneous plastics products	39	9	223.2	.8708	62
3452		Bolts, nuts, rivets, & washers	15	4	80.3	2.0432	64
3462		Iron & steel forgings	16	3	71.2	2.0484	54
3465		Automotive stampings	24	9	1,273.4	10.3510	95
3469		Metal stampings n.e.c.	26	2	59.5	1.0566	20
3471		Plating & polishing	14	1	53.5	2.5067	53
3541		Metal-cutting machine tools	24	7	92.9	3.9346	81
3544		Special dies, tools, jigs, & fixtures	116	11	162.6	5.2676	40
3545		Machine-tool accessories	30	3	50.7	2.5894	40
3599		Machinery, except electrical, n.e.c.	47	5	143.2	1.3021	29
3711		Motor vehicles & passenger-car bodies	4	2	1,310.3	1.9490	99
3714		Motor-vehicle parts & accessories	30	13	1,387.8	4.4013	96
3728		Aircraft equipment n.e.c.	6	2	68.9	.9381	86
3795		Tanks & tank components	2	1	597.4	51.3142	97
Manistee		**All mfg.**	**16**	**7**	**189.1**	**.0109**	**92**
Marquette		**All mfg.**	**22**	**5**	**98.7**	**.0057**	**49**
Mason		**All mfg.**	**32**	**7**	**196.9**	**.0114**	**62**
Mecosta		**All mfg.**	**21**	**4**	**72.7**	**.0042**	**40**
Menominee		**All mfg.**	**41**	**11**	**375.6**	**.0217**	**73**
Midland		**All mfg.**	**28**	**13**	**1,858.2**	**.1075**	**98**
2812		Alkalies & chlorine	1	1	150.8	7.1666	100
2819		Industrial inorganic chemicals n.e.c.	1	1	120.9	1.1227	100
2821		Plastics materials & synthetic resins	1	1	242.4	1.7676	100
2822		Synthetic rubber	3	3	228.8	9.5127	100
2869		Industrial organic chemicals n.e.c.	1	1	905.6	3.0028	100
3079		Miscellaneous plastics products	3	2	91.2	.3558	96

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Missaukee		**All mfg.**	**4**		**9.7**	**.0006**	**0**
Monroe	**275**	**All mfg.**	**39**	**14**	**686.1**	**.0397**	**90**
3465		Automotive stampings	3	2	323.0	2.6255	98
3714		Motor-vehicle parts & accessories	3	2	89.0	.2823	98
Montcalm		**All mfg.**	**29**	**10**	**541.6**	**.0313**	**71**
3632		Household refrigerators & freezers	2	2	233.1	7.8846	100
Montmorency		**All mfg.**	**7**	**2**	**33.1**	**.0019**	**81**
Muskegon	**182**	**All mfg.**	**153**	**41**	**1,803.9**	**.1044**	**84**
2522		Metal office furniture	3	2	69.9	4.3236	98
2621		Paper mills, except building paper	1	1	151.2	.8134	100
3321		Gray-iron foundries	3	1	98.8	1.2119	97
3369		Nonferrous foundries n.e.c.	4	3	133.0	11.6025	99
3592		Carburetors, pistons, rings, & valves	3	2	207.2	8.5426	97
3724		Aircraft engines & engine parts	1	1	196.5	1.8148	100
3949		Sporting & athletic goods n.e.c.	1	1	51.5	1.8800	100
Newaygo		**All mfg.**	**12**	**2**	**115.0**	**.0067**	**71**
Oakland	**75**	**All mfg.**	**1,082**	**191**	**12,403.3**	**.7179**	**84**
2013		Sausages & other prepared meats	2	1	419.7	3.8919	99
2711		Newspapers	7	3	51.6	.3208	86
3079		Miscellaneous plastics products	45	7	211.0	.8232	45
3317		Steel pipe & tubes	4	3	63.4	1.9310	97
3451		Screw-machine products	27	1	53.1	2.5[illegible]9	8
3462		Iron & steel forgings	17	3	65.8	1.8930	40
3465		Automotive stampings	14	5	164.7	1.3388	74
3469		Metal stampings n.e.c.	23	6	102.1	1.8131	55
3523		Farm machinery & equipment	2	2	197.3	1.7869	100
3535		Conveyors & conveying equipment	11	2	67.6	2.7435	49
3541		Metal-cutting machine tools	36	6	82.2	3.4814	61
3544		Special dies, tools, jigs, & fixtures	102	12	147.1	4.7655	42
3545		Machine-tool accessories	52	10	169.3	8.6466	69
3559		Special-industry machinery n.e.c.	19	5	88.4	1.3968	67
3599		Machinery, except electrical, n.e.c.	63	7	201.3	1.8305	30
3612		Transformers	5	1	53.7	1.8015	83
3711		Motor vehicles & passenger-car bodies	6	5	7,150.2	10.6356	100
3714		Motor-vehicle parts & accessories	29	14	391.3	1.2410	89
3811		Engineering & scientific instruments	7	2	51.9	1.8836	89
Oceana	**182**	**All mfg.**	**16**	**4**	**78.2**	**.0045**	**63**
Ogemaw		**All mfg.**	**17**	**2**	**152.0**	**.0088**	**10**
Ontonagon		**All mfg.**	**4**	**3**	**658.3**	**.0381**	**100**
3331		Primary copper	1	1	303.1	5.6459	100
3351		Copper rolling & drawing	1	1	319.4	5.6501	100
Osceola		**All mfg.**	**13**	**6**	**183.1**	**.0106**	**88**
Oscoda		**All mfg.**	**6**	**1**	**27.9**	**.0016**	**44**
Otsego		**All mfg.**	**13**	**2**	**41.7**	**.0024**	**47**
Ottawa	**102**	**All mfg.**	**207**	**68**	**1,553.6**	**.0899**	**79**
3714		Motor-vehicle parts & accessories	4	3	82.4	.2613	98
Presque Isle		**All mfg.**	**5**	**1**	**37.2**	**.0022**	**88**
Roscommon		**All mfg.**	**8**	**1**	**25.6**	**.0015**	**55**
Saginaw	**237**	**All mfg.**	**138**	**35**	**2,273.4**	**.1316**	**87**
3321		Gray-iron foundries	3	1	366.6	4.4967	98
3322		Malleable-iron foundries	1	1	126.3	15.9429	100
3714		Motor-vehicle parts & accessories	5	5	969.8	3.0757	100
St. Clair	**75**	**All mfg.**	**109**	**26**	**1,006.1**	**.0582**	**77**
3351		Copper rolling & drawing	1	1	281.9	4.9867	100
St. Joseph		**All mfg.**	**102**	**34**	**690.6**	**.0400**	**69**
2591		Drapery hardware & blinds & shades	1	1	64.1	9.4837	100
Sanilac		**All mfg.**	**40**	**14**	**236.2**	**.0137**	**74**
Schoolcraft		**All mfg.**	**4**	**2**	**40.5**	**.0023**	**91**
Shiawassee	**89**	**All mfg.**	**51**	**17**	**408.4**	**.0236**	**81**
3621		Motors & generators	3	3	74.4	1.2539	100
3714		Motor-vehicle parts & accessories	5	4	104.4	.3311	95
Tuscola		**All mfg.**	**31**	**7**	**265.9**	**.0154**	**80**
Van Buren	**129**	**All mfg.**	**60**	**18**	**414.6**	**.0240**	**67**
Washtenaw	**14**	**All mfg.**	**158**	**53**	**3,860.3**	**.2234**	**93**
3079		Miscellaneous plastics products	14	5	122.1	.4764	83
3711		Motor vehicles & passenger-car bodies	2	2	1,507.0	2.2416	100
3714		Motor-vehicle parts & accessories	11	10	1,205.1	3.8219	100
Wayne	**75**	**All mfg.**	**1,745**	**373**	**31,241.5**	**1.8081**	**89**
2011		Meat-packing plants	15	6	612.6	1.5790	88
2026		Fluid milk	4	3	178.3	1.0598	92
2051		Bread, cake, & related products	21	6	175.0	1.5599	82
2082		Malt beverages	1	1	281.6	3.2588	100
2086		Bottled & canned soft drinks	11	5	156.1	1.2048	87
2091		Canned & cured seafoods	2	1	93.2	5.7403	98
2099		Food preparations n.e.c.	12	4	237.0	2.9437	84
2396		Automotive & apparel trimmings	4	1	166.3	6.3624	94
2653		Corrugated & solid fiber boxes	12	4	80.4	.9549	70
2711		Newspapers	20	4	253.9	1.5786	88
2751		Letterpress commercial printing	40	6	74.2	1.3575	52
2752		Lithographic commercial printing	28	5	156.6	1.3302	45
2812		Alkalies & chlorine	3	2	181.1	8.6066	99
2819		Industrial inorganic chemicals n.e.c.	7	3	162.0	1.5043	83
2821		Plastics materials & synthetic resins	4	3	164.6	1.2003	98
2834		Pharmaceutical preparations	3	1	388.4	2.3422	95
2851		Paints & allied products	19	3	204.3	2.4098	56
2869		Industrial organic chemicals n.e.c.	4	1	493.4	1.6360	92
2899		Chemical preparations n.e.c.	15	3	132.1	2.4775	62
3011		Tires & inner tubes	1	1	166.7	1.6302	100
3079		Miscellaneous plastics products	33	4	119.3	.4654	37
3211		Flat glass	3	2	83.0	3.4743	95
3231		Products of purchased glass	5	3	155.4	5.7823	95
3312		Blast furnaces & steel mills	10	6	2,163.8	4.2794	99
3316		Cold-rolled steel sheet, strip, & bars	13	6	303.4	9.2908	87
3369		Nonferrous foundries n.e.c.	8	4	162.7	14.1935	97
3398		Metal heat treating	22	5	120.3	10.3976	57
3399		Primary metal products n.e.c.	11	3	57.9	5.9709	57
3441		Fabricated structural metal	31	5	129.7	2.1046	62
3442		Metal doors, sash, & trim	18	2	46.9	1.2118	37
3444		Sheet-metal work	23	8	79.2	1.3738	69
3451		Screw-machine products	44	4	85.0	4.0369	30
3452		Bolts, nuts, rivets, & washers	29	7	201.5	5.1271	70
3462		Iron & steel forgings	32	7	261.8	7.5319	73
3465		Automotive stampings	29	12	2,665.8	21.6693	96
3469		Metal stampings n.e.c.	32	9	163.4	2.9017	66
3471		Plating & polishing	38	2	56.1	2.6285	13
3493		Steel springs, except wire	5	3	64.4	10.7405	91
3519		Internal-combustion engines n.e.c.	4	4	1,370.0	14.7389	100
3523		Farm machinery & equipment	3	2	292.1	2.6455	99
3535		Conveyors & conveying equipment	17	7	104.2	4.2289	77
3541		Metal-cutting machine tools	39	5	71.9	3.0452	50
3544		Special dies, tools, jigs, & fixtures	131	7	205.8	6.6671	44
3545		Machine-tool accessories	47	8	94.7	4.8366	50
3559		Special-industry machinery n.e.c.	20	7	133.1	2.1031	72
3567		Industrial-process furnaces & ovens	11	3	28.0	4.3458	70
3569		General industrial machinery n.e.c.	15	7	50.7	2.3259	79
3573		Electronic computing equipment	6	4	681.7	2.8197	99
3599		Machinery, except electrical, n.e.c.	61	4	179.6	1.6331	27
3711		Motor vehicles & passenger-car bodies	17	15	8,865.1	13.1864	100
3714		Motor-vehicle parts & accessories	56	24	3,122.9	9.9041	96
Wexford		**All mfg.**	**34**	**10**	**222.6**	**.0129**	**51**
State Total		**All mfg.**	**7,411**	**1,715**	**104,540.3**	**6.0504**	**86**

MINNESOTA

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Aitkin		**All mfg.**	**11**	**3**	**132.6**	**.0077**	**84**
Anoka	**175**	**All mfg.**	**50**	**17**	**590.2**	**.0342**	**83**
3444		Sheet-metal work	4	1	55.1	.9557	89
3482		Small-arms ammunition	1	1	50.3	9.6601	100
3621		Motors & generators	1	1	75.8	1.2775	100
Becker		**All mfg.**	**9**	**5**	**115.8**	**.0067**	**87**
Beltrami		**All mfg.**	**6**		**24.9**	**.0014**	**0**
Benton	**238**	**All mfg.**	**51**	**15**	**364.3**	**.0211**	**69**
3632		Household refrigerators & freezers	1	1	113.2	3.8290	100
Big Stone		**All mfg.**	**4**		**14.7**	**.0009**	**0**
Blue Earth		**All mfg.**	**51**	**19**	**577.9**	**.0334**	**67**
2751		Letterpress commercial printing	2	2	59.5	1.0886	100
Brown		**All mfg.**	**26**	**4**	**482.6**	**.0279**	**79**
Carlton		**All mfg.**	**8**	**5**	**511.4**	**.0296**	**98**
2621		Paper mills, except building paper	1	1	197.4	1.0619	100
2661		Building-paper & building-board mills	1	1	54.1	8.9466	100
Carver	**175**	**All mfg.**	**24**	**6**	**214.8**	**.0124**	**75**
Cass		**All mfg.**	**4**	**1**	**13.6**	**.0008**	**30**
Chippewa		**All mfg.**	**7**	**1**	**28.3**	**.0016**	**35**

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	1980 (S&MM Est.) Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
MINNESOTA (cont.)							
Chisago	175	All mfg.	12	3	72.2	.0042	63
Clay	86	All mfg.	11	4	119.1	.0069	78
Clearwater		All mfg.	6		27.1	.0016	0
Cook		All mfg.	1		2.9	.0002	0
Cottonwood		All mfg.	8	2	44.1	.0026	40
Crow Wing		All mfg.	21	5	230.5	.0133	78
Dakota	175	All mfg.	80	21	759.1	.0439	68
2645		Die-cut paper & board	4	3	107.8	7.9994	97
Dodge		All mfg.	9	1	48.6	.0028	29
Douglas		All mfg.	10	3	120.6	.0070	84
Faribault		All mfg.	19	9	187.4	.0108	85
Fillmore		All mfg.	8	3	46.0	.0027	64
Freeborn		All mfg.	24	6	596.9	.0345	91
2011		Meat-packing plants	1	1	371.9	.9586	100
Goodhue		All mfg.	34	16	535.0	.0310	81
Hennepin	175	All mfg.	995	305	10,049.2	.5816	78
2041		Flour & other grain-mill products	5	3	531.8	11.3209	95
2051		Bread, cake, & related products	10	5	214.9	1.9155	92
2086		Bottled & canned soft drinks	3	2	149.9	1.1570	98
2431		Millwork	13	2	58.8	1.3582	51
2439		Structural wood members n.e.c.	4	2	46.2	5.2963	92
2711		Newspapers	7	2	137.8	.8567	92
2751		Letterpress commercial printing	35	7	80.7	1.4765	62
2752		Lithographic commercial printing	21	6	174.0	1.4780	69
3069		Fabricated rubber products n.e.c.	8	2	56.0	1.2178	78
3079		Miscellaneous plastics products	41	12	230.6	.8996	69
3361		Aluminum foundries	7	4	120.2	3.5177	94
3444		Sheet-metal work	18	3	50.7	.8794	34
3469		Metal stampings n.e.c.	24	7	93.7	1.6640	55
3471		Plating & polishing	12	4	35.8	1.6774	66
3489		Ordnance & accessories n.e.c.	2	1	75.8	9.2428	98
3523		Farm machinery & equipment	14	4	125.0	1.1321	68
3524		Lawn & garden equipment	2	1	111.9	6.5820	98
3531		Construction machinery	9	5	238.3	1.4667	91
3532		Mining machinery	1	1	66.3	2.3966	100
3535		Conveyors & conveying equipment	10	5	116.1	4.7119	85
3563		Air & gas compressors	3	2	65.9	1.5514	98
3569		General industrial machinery n.e.c.	7	4	32.4	1.4864	83
3573		Electronic computing equipment	16	9	690.1	2.8544	94
3585		Refrigeration & heating equipment	2	1	171.1	.9884	98
3589		Service-industry machinery n.e.c.	5	4	168.0	5.6075	97
3599		Machinery, except electrical, n.e.c.	52	5	221.0	2.0096	43
3631		Household cooking equipment	2	1	125.3	6.3120	98
3679		Electronic components n.e.c.	10	4	60.5	.7976	79
3714		Motor-vehicle parts & accessories	7	4	167.1	.5299	92
3728		Aircraft equipment n.e.c.	2	1	64.5	.8782	97
3769		Space-vehicle equipment n.e.c.	1	1	87.6	9.4754	100
3799		Transportation equipment n.e.c.	2	2	105.9	14.1976	100
3811		Engineering & scientific instruments	5	3	53.1	1.9271	90
3822		Environmental controls	3	3	304.0	16.6996	100
3823		Industrial process-control instruments	5	2	105.2	4.4514	95
3842		Surgical appliances & supplies	6	3	97.0	2.5806	91
3851		Ophthalmic goods	5	3	39.8	5.3244	95
3861		Photographic equipment & supplies	5	2	359.3	2.3522	91
3944		Games, toys, & children's vehicles	6	4	127.6	3.9478	97
3993		Signs & advertising displays	15	3	43.5	2.2289	57
Houston		All mfg.	6	1	25.4	.0015	34
Hubbard		All mfg.	5	1	13.1	.0008	43
Isanti		All mfg.	16	2	54.6	.0032	35
Itasca		All mfg.	14	3	194.1	.0112	78
Jackson		All mfg.	4	3	53.7	.0031	97
Kanabec		All mfg.	3	1	29.9	.0017	79
Kandiyohi		All mfg.	19	3	90.5	.0052	31
Kittson		All mfg.	1	1	3.9	.0002	100
Koochiching		All mfg.	8	3	107.0	.0062	86
Lac qui Parle		All mfg.	7	2	398.4	.0231	96
Lake		All mfg.	4	1	42.0	.0024	40
Lake of the Woods		All mfg.	2	1	14.4	.0008	88
Le Sueur		All mfg.	25	6	250.7	.0145	72
2033		Canned fruits & vegetables	2	1	132.0	1.7058	96
Lyon		All mfg.	20	9	189.7	.0110	76
McLeod		All mfg.	28	8	421.5	.0244	82
2641		Paper coating & glazing	1	1	190.9	4.4807	100
Martin		All mfg.	14	7	453.3	.0262	92
3599		Machinery, except electrical, n.e.c.	1	1	136.1	1.2376	100
Meeker		All mfg.	16	5	147.0	.0085	65
Mille Lacs		All mfg.	14	4	57.5	.0033	45
Morrison		All mfg.	14	4	108.0	.0063	71
2322		Men's & boys' underwear	1	1	22.6	4.3436	100
Mower		All mfg.	13	3	568.9	.0329	92
2011		Meat-packing plants	1	1	495.8	1.2779	100
Murray		All mfg.	2		15.9	.0009	0
Nicollet		All mfg.	8	2	46.8	.0027	50
Nobles		All mfg.	10	2	248.3	.0144	89
2032		Canned food specialties	1	1	141.0	3.9714	100
Norman		All mfg.	1		2.2	.0001	0
Olmsted	233	All mfg.	35	15	606.5	.0351	86
3573		Electronic computing equipment	1	1	214.1	.8856	100
Otter Tail		All mfg.	23	8	251.4	.0145	62
Pennington		All mfg.	9	2	75.8	.0044	59
Pine		All mfg.	8		41.8	.0024	0
Pipestone		All mfg.	5		16.2	.0009	0
Polk	101	All mfg.	12	3	149.0	.0086	70
Pope		All mfg.	6		14.4	.0008	0
Ramsey	175	All mfg.	393	138	7,598.2	.4398	88
2082		Malt beverages	3	3	319.0	3.6917	100
2641		Paper coating & glazing	2	2	289.9	6.8044	100
2711		Newspapers	5	3	78.2	.4862	95
2721		Periodicals	11	1	107.6	1.4289	74
2731		Book publishing	3	1	155.0	2.5408	97
2751		Letterpress commercial printing	17	7	66.3	1.2130	84
2752		Lithographic commercial printing	4	3	121.1	1.0287	98
2842		Polishes & sanitation goods	3	1	212.2	4.8325	97
2844		Toilet preparations	4	2	188.9	2.0475	92
3079		Miscellaneous plastics products	13	4	131.2	.5119	84
3531		Construction machinery	4	2	181.2	1.1152	94
3573		Electronic computing equipment	6	5	1,491.9	6.1709	99
3599		Machinery, except electrical, n.e.c.	11	2	277.4	2.5225	90
3632		Household refrigerators & freezers	1	1	163.3	5.5236	100
3711		Motor vehicles & passenger-car bodies	2	1	408.9	.6082	98
3769		Space-vehicle equipment n.e.c.	1	1	168.7	18.2477	100
Red Lake		All mfg.	2	1	13.0	.0008	75
Redwood		All mfg.	8	2	68.5	.0040	64
Renville		All mfg.	13	2	77.5	.0045	43
Rice		All mfg.	31	9	301.4	.0174	56
Rock		All mfg.	9	3	73.8	.0043	79
Roseau		All mfg.	3	2	86.3	.0050	98
St. Louis	77	All mfg.	115	26	873.6	.0506	63
2038		Frozen food specialties	3	1	185.6	4.3703	92
Scott	175	All mfg.	32	12	260.5	.0151	70
Sherburne	238	All mfg.	14	3	67.3	.0039	55
Sibley		All mfg.	8	4	46.8	.0027	69
Stearns	238	All mfg.	33	18	410.3	.0237	77
Steele		All mfg.	32	11	332.7	.0193	82
3423		Hand & edge tools n.e.c.	1	1	53.2	1.9519	100
Stevens		All mfg.	7		25.0	.0014	0
Swift		All mfg.	9	2	165.6	.0096	82
3423		Hand & edge tools n.e.c.	1	1	106.5	3.9074	100
Todd		All mfg.	14	3	91.7	.0053	34
Wabasha		All mfg.	9	3	92.1	.0053	58
Wadena		All mfg.	9	1	40.7	.0024	34
Waseca		All mfg.	14	4	151.9	.0088	80
Washington	175	All mfg.	23	7	562.3	.0325	93
2431		Millwork	3	1	174.4	4.0286	98

DEFINITIONS—**SIC Industry**: Classification by plant's primary product. **N.e.c.**: Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.**: Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.**: Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Watonwan		All mfg.	13	4	134.5	.0078	65
Winona		All mfg.	53	23	450.2	.0261	80
3469	Metal stampings n.e.c.		1	1	77.2	1.3710	100
Wright	175	All mfg.	25	5	128.0	.0074	57
Yellow Medicine		All mfg.	4	3	81.8	.0047	80
State Total		All mfg.	2,714	840	32,735.4	1.8946	80
MISSISSIPPI							
Adams		All mfg.	21	4	384.8	.0223	80
2611	Pulp mills		1	1	169.5	5.5519	100
3011	Tires & inner tubes		1	1	105.4	1.0307	100
Alcorn		All mfg.	28	15	421.8	.0244	86
3079	Miscellaneous plastics products		2	2	63.2	.2466	100
3661	Telephone & telegraph apparatus		1	1	145.5	1.1445	100
Amite		All mfg.	4	2	32.6	.0019	81
Attala		All mfg.	12	4	69.9	.0040	72
Benton		All mfg.	2	1	9.1	.0005	52
Bolivar		All mfg.	13	7	268.6	.0155	94
2834	Pharmaceutical preparations		1	1	125.9	.7592	100
Calhoun		All mfg.	16	9	86.2	.0050	82
Carroll		All mfg.	2		4.0	.0002	0
Chickasaw		All mfg.	31	13	144.3	.0084	75
2512	Upholstered wood household furniture		13	4	68.8	2.1572	78
Choctaw		All mfg.	8	5	46.4	.0027	84
Claiborne		All mfg.	8	2	56.6	.0033	36
Clarke		All mfg.	15	5	93.6	.0054	62
Clay		All mfg.	16	5	457.8	.0265	92
2011	Meat-packing plants		1	1	307.9	.7936	100
3443	Fabricated plate work (boiler shops)		1	1	81.5	.9217	100
Coahoma		All mfg.	21	7	335.6	.0194	76
Copiah		All mfg.	22	11	169.7	.0098	78
Covington		All mfg.	9	3	83.6	.0048	88
De Soto	169	All mfg.	41	12	238.2	.0138	59
Forrest	112	All mfg.	37	12	396.0	.0229	80
Franklin		All mfg.	5		20.0	.0012	0
George		All mfg.	4	1	12.6	.0007	63
Greene		All mfg.	1	1	6.7	.0004	100
Grenada		All mfg.	20	7	330.9	.0192	85
Hancock	32	All mfg.	7	1	36.1	.0021	15
Harrison	32	All mfg.	70	20	454.4	.0263	61
Hinds	120	All mfg.	172	50	1,436.4	.0831	66
2517	Wood TV & radio cabinets		1	1	45.3	12.1155	100
3613	Switchgear & switchboard apparatus		2	2	61.3	1.3160	100
3714	Motor-vehicle parts & accessories		4	2	95.0	.3013	92
Holmes		All mfg.	10	2	41.8	.0024	47
Humphreys		All mfg.	5	2	26.6	.0015	73
Itawamba		All mfg.	16	11	132.3	.0077	92
Jackson	206	All mfg.	46	17	3,064.1	.1773	96
2621	Paper mills, except building paper		1	1	178.2	.9586	100
3444	Sheet-metal work		1	1	78.2	1.3564	100
3731	Ship building & repairing		8	4	1,291.2	15.7874	99
Jasper		All mfg.	6	2	37.0	.0021	75
Jefferson		All mfg.	4	2	32.8	.0019	59
Jefferson Davis		All mfg.	5	2	20.7	.0012	59
Jones		All mfg.	36	10	421.9	.0244	52
2499	Wood products n.e.c.		1	1	83.7	2.8637	100
Kemper		All mfg.	8	2	34.3	.0020	52
Lafayette		All mfg.	6	4	81.9	.0047	81
Lamar	112	All mfg.	13	6	368.1	.0213	80
Lauderdale	170	All mfg.	63	16	387.7	.0224	61
Lawrence		All mfg.	7	3	112.2	.0065	91
Leake		All mfg.	12	5	97.1	.0056	74
Lee		All mfg.	81	32	740.1	.0428	78
2311	Men's & boys' suits & coats		3	3	40.5	1.1164	100
2512	Upholstered wood household furniture		11	3	42.3	1.3263	62
2515	Mattresses & bedsprings		4	2	50.3	3.0489	89
Leflore		All mfg.	22	6	161.8	.0094	62
3931	Musical instruments & parts		1	1	39.4	3.6340	100
Lincoln		All mfg.	22	4	160.1	.0093	66
Lowndes		All mfg.	43	17	443.4	.0257	79
3621	Motors & generators		2	2	59.2	.9977	100
Madison		All mfg.	29	12	201.3	.0117	77
Marion		All mfg.	11	5	113.5	.0066	87
Marshall		All mfg.	13	4	83.0	.0048	68
Monroe		All mfg.	34	18	283.9	.0164	85
2327	Men's & boys' separate trousers		10	10	67.5	3.0968	100
Montgomery		All mfg.	11	3	60.2	.0035	51
Neshoba		All mfg.	9	7	129.9	.0075	98
Newton		All mfg.	15	7	102.0	.0059	71
Noxubee		All mfg.	9	4	44.6	.0026	59
Oktibbeha		All mfg.	18	6	166.7	.0096	73
Panola		All mfg.	23	8	106.3	.0062	72
Pearl River		All mfg.	17	4	76.3	.0044	64
Perry		All mfg.	6	3	73.3	.0042	74
Pike		All mfg.	25	10	232.1	.0134	77
3442	Metal doors, sash, & trim		1	1	54.8	1.4159	100
Pontotoc		All mfg.	23	11	144.9	.0084	79
2512	Upholstered wood household furniture		7	3	37.1	1.1633	83
Prentiss		All mfg.	22	12	170.6	.0099	72
Quitman		All mfg.	5	4	339.0	.0196	100
Rankin	120	All mfg.	16	8	167.5	.0097	84
Scott		All mfg.	25	13	256.6	.0149	79
2016	Poultry-dressing plants		5	5	154.0	2.1519	100
Sharkey		All mfg.	3	2	16.0	.0009	79
Simpson		All mfg.	9	2	140.8	.0081	84
3612	Transformers		1	1	107.0	3.5896	100
Smith		All mfg.	14	5	98.5	.0057	73
Stone	32	All mfg.	7	4	105.2	.0061	87
Sunflower		All mfg.	12	7	116.5	.0067	90
Tallahatchie		All mfg.	6	2	17.6	.0010	51
Tate		All mfg.	4	3	69.9	.0040	93
Tippah		All mfg.	16	6	102.6	.0059	78
Tishomingo		All mfg.	18	8	120.7	.0070	60
2329	Men's & boys' clothing n.e.c.		3	2	24.5	1.8270	93
Tunica		All mfg.	3	1	31.6	.0018	59
Union		All mfg.	20	9	173.3	.0100	81
2512	Upholstered wood household furniture		2	1	55.6	1.7433	95
Walthall		All mfg.	7	2	36.3	.0021	68
Warren		All mfg.	26	11	518.0	.0300	56
3731	Ship building & repairing		2	2	60.2	.7361	100
Washington		All mfg.	53	11	330.9	.0192	50
Wayne		All mfg.	12	5	93.1	.0054	68
Webster		All mfg.	12	6	55.6	.0032	83
Wilkinson		All mfg.	4	1	17.0	.0010	54
Winston		All mfg.	15	7	115.5	.0067	81
Yalobusha		All mfg.	4	3	71.8	.0042	96
Yazoo		All mfg.	19	4	244.4	.0141	64
State Total		All mfg.	1,565	578	17,186.8	.9947	78
MISSOURI							
Adair		All mfg.	9	7	106.8	.0062	97
Atchison		All mfg.	4	1	80.0	.0046	86
Audrain		All mfg.	21	8	342.8	.0198	58
3255	Clay refractories		5	5	163.2	18.5370	100
Barry		All mfg.	21	8	171.5	.0099	74
Barton		All mfg.	4	2	34.8	.0020	88
Bates		All mfg.	4	2	18.3	.0011	52
Benton		All mfg.	4	1	14.6	.0008	60
Bollinger		All mfg.	5	2	19.0	.0011	66
Boone	61	All mfg.	32	6	227.2	.0131	63
3644	Non-current-carrying wiring devices		1	1	75.3	4.2872	100
Buchanan	239	All mfg.	82	35	1,283.4	.0743	82
2011	Meat-packing plants		3	3	270.2	.6964	100
2041	Flour & other grain-mill products		4	4	266.2	5.6668	100
2648	Stationery products		1	1	71.0	8.5666	100
Butler		All mfg.	14	4	68.4	.0040	65
Caldwell		All mfg.	1	1	9.5	.0005	100
Callaway		All mfg.	8	4	47.6	.0028	72
Camden		All mfg.	7	1	24.5	.0014	38
Cape Girardeau		All mfg.	46	12	460.0	.0266	82
Carroll		All mfg.	6	2	98.8	.0057	93
Carter		All mfg.	5	1	17.1	.0010	51

1980 (S&MM Est.)

MISSOURI (cont.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Cass	**132**	**All mfg.**	**11**	**2**	**43.9**	**.0025**	**59**
Cedar		**All mfg.**	**12**	**4**	**66.8**	**.0039**	**55**
Chariton		**All mfg.**	**4**	**1**	**19.3**	**.0011**	**29**
Christian	**265**	**All mfg.**	**11**	**2**	**55.5**	**.0032**	**74**
Clark		**All mfg.**	**1**		**9.0**	**.0005**	**0**
Clay	**132**	**All mfg.**	**70**	**19**	**587.6**	**.0340**	**63**
3357		Nonferrous-wire drawing & insulating	2	2	168.6	1.8063	100
Clinton		**All mfg.**	**4**	**1**	**22.3**	**.0013**	**65**
Cole		**All mfg.**	**15**	**6**	**310.1**	**.0179**	**90**
3612		Transformers	1	1	66.8	2.2410	100
Cooper		**All mfg.**	**13**	**6**	**60.1**	**.0035**	**68**
Crawford		**All mfg.**	**10**	**3**	**34.6**	**.0020**	**57**
Dade		**All mfg.**	**3**		**5.9**	**.0003**	**0**
Dallas		**All mfg.**	**1**		**1.6**	**.0001**	**0**
Daviess		**All mfg.**	**3**	**2**	**7.1**	**.0004**	**86**
Dent		**All mfg.**	**6**	**3**	**34.2**	**.0020**	**84**
Douglas		**All mfg.**	**5**	**2**	**48.2**	**.0028**	**82**
Dunklin		**All mfg.**	**12**	**8**	**160.7**	**.0093**	**90**
3621		Motors & generators	1	1	58.1	.9792	100
Franklin	**240**	**All mfg.**	**64**	**24**	**426.7**	**.0247**	**68**
Gasconade		**All mfg.**	**20**	**3**	**80.4**	**.0047**	**46**
Gentry		**All mfg.**	**3**	**2**	**24.2**	**.0014**	**89**
Greene	**265**	**All mfg.**	**111**	**37**	**1,769.4**	**.1024**	**87**
2022		Natural & processed cheese	2	2	464.5	5.1599	100
2654		Sanitary food containers	1	1	116.0	4.8680	100
3041		Rubber & plastic hose & belting	1	1	73.2	4.6749	100
3621		Motors & generators	1	1	50.5	.8511	100
3651		Radio & TV receiving sets	1	1	192.0	2.8409	100
3679		Electronic components n.e.c.	2	1	34.4	.4535	91
Grundy		**All mfg.**	**3**	**2**	**97.0**	**.0056**	**95**
Harrison		**All mfg.**	**4**	**1**	**17.1**	**.0010**	**21**
Henry		**All mfg.**	**13**	**3**	**169.1**	**.0098**	**76**
Hickory		**All mfg.**	**1**		**2.9**	**.0002**	**0**
Holt		**All mfg.**	**1**	**1**	**19.9**	**.0012**	**100**
Howard		**All mfg.**	**7**	**4**	**35.4**	**.0020**	**77**
Howell		**All mfg.**	**25**	**9**	**131.1**	**.0076**	**69**
Iron		**All mfg.**	**5**	**2**	**49.2**	**.0028**	**89**
Jackson	**132**	**All mfg.**	**501**	**112**	**8,715.9**	**.5044**	**86**
2051		Bread, cake, & related products	7	4	65.0	.5794	88
2337		Women's & misses' suits & coats	6	5	119.3	3.2387	96
2711		Newspapers	8	1	84.4	.5247	83
2771		Greeting-card publishing	2	1	273.0	19.7055	99
2879		Agricultural chemicals n.e.c.	2	2	231.8	6.2312	100
3079		Miscellaneous plastics products	28	6	150.5	.5871	65
3312		Blast furnaces & steel mills	1	1	579.6	1.1463	100
3482		Small-arms ammunition	1	1	100.8	19.3586	100
3523		Farm machinery & equipment	5	2	164.3	1.4880	91
3531		Construction machinery	4	4	140.7	.8660	100
3661		Telephone & telegraph apparatus	1	1	387.8	3.0504	100
3679		Electronic components n.e.c.	3	2	225.6	2.9741	99
3711		Motor vehicles & passenger-car bodies	3	2	1,597.1	2.3756	100
3713		Truck & bus bodies	4	2	48.5	1.6147	95
Jasper	**128**	**All mfg.**	**90**	**37**	**954.6**	**.0552**	**82**
Jefferson	**240**	**All mfg.**	**32**	**12**	**452.0**	**.0262**	**87**
Johnson		**All mfg.**	**10**	**4**	**46.4**	**.0027**	**72**
Knox		**All mfg.**	**2**		**4.0**	**.0002**	**0**
Laclede		**All mfg.**	**18**	**5**	**125.9**	**.0073**	**62**
Lafayette		**All mfg.**	**23**	**5**	**82.5**	**.0048**	**37**
Lawrence		**All mfg.**	**24**	**9**	**229.6**	**.0133**	**73**
Lewis		**All mfg.**	**3**	**1**	**16.8**	**.0010**	**68**
Lincoln		**All mfg.**	**5**	**1**	**12.3**	**.0007**	**33**
Linn		**All mfg.**	**10**	**4**	**93.9**	**.0054**	**78**
Livingston		**All mfg.**	**11**	**4**	**65.2**	**.0038**	**58**
McDonald		**All mfg.**	**8**	**4**	**74.5**	**.0043**	**79**
Macon		**All mfg.**	**4**	**2**	**98.6**	**.0057**	**97**
Madison		**All mfg.**	**7**	**1**	**28.1**	**.0016**	**31**
Maries		**All mfg.**	**6**	**2**	**20.8**	**.0012**	**78**
Marion		**All mfg.**	**25**	**8**	**186.9**	**.0108**	**72**
Miller		**All mfg.**	**15**	**2**	**66.0**	**.0038**	**44**
Mississippi		**All mfg.**	**6**	**1**	**31.1**	**.0018**	**40**
Moniteau		**All mfg.**	**6**	**4**	**54.7**	**.0032**	**89**
Monroe		**All mfg.**	**3**	**2**	**22.3**	**.0013**	**96**
Montgomery		**All mfg.**	**11**	**2**	**38.4**	**.0022**	**32**
Morgan		**All mfg.**	**7**	**2**	**16.5**	**.0010**	**39**
New Madrid		**All mfg.**	**7**	**5**	**116.9**	**.0068**	**95**
Newton	**128**	**All mfg.**	**21**	**7**	**187.1**	**.0108**	**79**
Nodaway		**All mfg.**	**13**	**3**	**90.2**	**.0052**	**64**
Oregon		**All mfg.**	**4**		**9.2**	**.0005**	**0**
Osage		**All mfg.**	**7**	**1**	**21.2**	**.0012**	**42**
Ozark		**All mfg.**	**1**		**1.8**	**.0001**	**0**
Pemiscot		**All mfg.**	**9**	**6**	**62.5**	**.0036**	**90**
Perry		**All mfg.**	**9**	**3**	**60.8**	**.0035**	**76**
Pettis		**All mfg.**	**32**	**15**	**260.9**	**.0151**	**76**
Phelps		**All mfg.**	**10**	**4**	**63.2**	**.0037**	**63**
Pike		**All mfg.**	**13**	**6**	**165.9**	**.0096**	**84**
Platte	**132**	**All mfg.**	**2**		**9.3**	**.0005**	**0**
Polk		**All mfg.**	**5**	**2**	**31.7**	**.0018**	**72**
Pulaski		**All mfg.**	**9**	**2**	**29.0**	**.0017**	**62**
Ralls		**All mfg.**	**1**		**1.1**	**.0001**	**0**
Randolph		**All mfg.**	**11**	**6**	**135.9**	**.0079**	**86**
Ray	**132**	**All mfg.**	**6**	**1**	**23.6**	**.0014**	**40**
Reynolds		**All mfg.**	**3**	**1**	**10.7**	**.0006**	**23**
Ripley		**All mfg.**	**3**	**2**	**19.4**	**.0011**	**91**
St. Charles	**240**	**All mfg.**	**48**	**11**	**642.0**	**.0372**	**84**
2869		Industrial organic chemicals n.e.c.	1	1	301.8	1.0007	100
3662		Radio & TV communication equipment	1	1	125.5	.5338	100
St. Clair		**All mfg.**	**1**		**3.7**	**.0002**	**0**
Ste. Genevieve		**All mfg.**	**7**	**4**	**88.1**	**.0051**	**95**
St. Francois		**All mfg.**	**22**	**3**	**83.2**	**.0048**	**47**
St. Louis	**240**	**All mfg.**	**367**	**112**	**4,001.9**	**.2316**	**80**
2086		Bottled & canned soft drinks	5	4	139.1	1.0736	99
2819		Industrial inorganic chemicals n.e.c.	2	2	210.3	1.9528	100
3321		Gray-iron foundries	7	5	65.7	.8059	90
3325		Steel foundries n.e.c.	3	2	51.6	1.9865	96
3585		Refrigeration & heating equipment	2	1	327.1	1.8896	98
3711		Motor vehicles & passenger-car bodies	1	1	582.7	.8667	100
3713		Truck & bus bodies	5	2	187.5	6.2423	98
3714		Motor-vehicle parts & accessories	3	3	76.4	.2423	100
St. Louis Ind. City	**240**	**All mfg.**	**934**	**243**	**11,701.5**	**.6772**	**83**
2051		Bread, cake, & related products	10	3	97.6	.8700	82
2082		Malt beverages	1	1	750.7	8.6876	100
2099		Food preparations n.e.c	8	2	218.2	2.7102	84
2311		Men's & boys' suits & coats	10	8	75.6	2.0840	95
2339		Women's & misses' outerwear n.e.c.	7	4	60.4	1.5059	95
2711		Newspapers	9	2	122.6	.7622	91
2751		Letterpress commercial printing	31	4	50.7	.9276	34
2752		Lithographic commercial printing	25	6	159.0	1.3506	62
2833		Medicinals & botanicals	1	1	150.4	5.0921	100
2834		Pharmaceutical preparations	10	5	279.3	1.6843	89
2841		Soap & other detergents	10	6	433.7	5.4504	93
2851		Paints & allied products	20	1	122.0	1.4390	20
2899		Chemical preparations n.e.c.	5	2	247.0	4.6325	94
3079		Miscellaneous plastics products	28	6	117.6	.4588	53
3143		Men's nonathletic footwear	1	1	46.2	2.1165	100
3411		Metal cans	4	4	281.3	3.3047	100
3441		Fabricated structural metal	15	4	93.3	1.5139	81
3443		Fabricated plate work (boiler shops)	11	3	112.2	1.2689	79
3444		Sheet-metal work	19	1	50.2	.8707	39
3469		Metal stampings n.e.c.	11	4	60.8	1.0797	72
3569		General industrial machinery n.e.c.	5	3	38.0	1.7433	95
3612		Transformers	2	1	103.2	3.4622	97
3613		Switchgear & switchboard apparatus	4	4	129.0	2.7693	100
3621		Motors & generators	6	5	145.4	2.4505	99
3711		Motor vehicles & passenger-car bodies	1	1	1,449.6	2.1562	100

DEFINITIONS—**SIC Industry**: Classification by plant's primary product. **N.e.c.**: Not elsewhere classified. **Metro Area Code**: Metro market that county belongs to; see list, page 35. **Total Plants**: 20+ employees. **Large Plants**: 100+ employees. **All mfg.**: Totals for all plants with 20+ employees in the county. **Shipments**: Dollar value of all goods produced. **% Of U.S.**: Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants**: Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
3714		Motor-vehicle parts & accessories	9	2	143.6	.4554	80
3721		Aircraft	2	1	2,291.0	10.0344	100
3743		Railroad equipment	4	2	161.8	2.7672	96
3822		Environmental controls	3	2	49.0	2.6917	93
3999		Manufactures n.e.c.	9	4	50.0	1.6989	85
Saline		All mfg.	13	4	283.1	.0164	87
Scotland		All mfg.	2		5.7	.0003	0
Scott		All mfg.	20	8	123.4	.0071	64
Shannon		All mfg.	7	4	27.1	.0016	77
Shelby		All mfg.	2	2	28.3	.0016	100
Stoddard		All mfg.	19	11	165.0	.0095	87
3144		Women's nonathletic footwear	3	3	37.7	2.2525	100
Stone		All mfg.	7	4	29.6	.0017	82
Sullivan		All mfg.	1	1	14.2	.0008	100
Taney		All mfg.	6	2	34.3	.0020	51
Texas		All mfg.	12	6	105.5	.0061	88
Vernon		All mfg.	8	5	88.8	.0051	94
Warren		All mfg.	10	2	99.5	.0058	75
Washington		All mfg.	3	1	20.2	.0012	76
Wayne		All mfg.	5	2	17.5	.0010	67
Webster		All mfg.	10	5	80.3	.0046	87
Worth		All mfg.	1	1	2.9	.0002	100
Wright		All mfg.	6	4	62.7	.0036	95
State Total		All mfg.	3,215	967	37,759.5	2.1854	81
MONTANA							
Beaverhead		All mfg.	1	1	11.1	.0006	100
Big Horn		All mfg.	1		6.3	.0004	0
Broadwater		All mfg.	1		2.4	.0001	0
Cascade	103	All mfg.	27	6	667.4	.0386	77
3331		Primary copper	1	1	210.0	3.9117	100
Chouteau		All mfg.	1	1	11.6	.0007	100
Custer		All mfg.	3	1	14.1	.0008	36
Dawson		All mfg.	7		22.3	.0013	0
Deer Lodge		All mfg.	3	2	247.9	.0143	99
3331		Primary copper	1	1	222.2	4.1390	100
Fergus		All mfg.	6		20.9	.0012	0
Flathead		All mfg.	28	5	310.3	.0180	63
Gallatin		All mfg.	20	3	101.8	.0059	39
Glacier		All mfg.	3	1	91.8	.0053	8
Hill		All mfg.	5		16.9	.0010	0
Jefferson		All mfg.	2		15.4	.0009	0
Lake		All mfg.	4	1	13.1	.0008	51
Lewis and Clark		All mfg.	17	4	126.3	.0073	70
Lincoln		All mfg.	5	1	132.9	.0077	88
2421		General sawmills & planing mills	3	1	121.3	.9732	97
Meagher		All mfg.	1	1	11.1	.0006	100
Mineral		All mfg.	1	1	16.0	.0009	100
Missoula	176	All mfg.	27	6	278.2	.0161	74
2421		General sawmills & planing mills	4	2	84.9	.6812	94
Park		All mfg.	7		16.6	.0010	0
Phillips		All mfg.	1		7.5	.0004	0
Pondera		All mfg.	1		1.3	.0001	0
Powell		All mfg.	1		5.3	.0003	0
Ravalli		All mfg.	6		34.1	.0020	0
Richland		All mfg.	4	1	43.2	.0025	72
Roosevelt		All mfg.	6	1	23.0	.0013	29
Sanders		All mfg.	4	2	35.6	.0021	67
Sheridan		All mfg.	1		3.6	.0002	0
Silver Bow		All mfg.	12	2	62.3	.0036	61
Stillwater		All mfg.	1		1.3	.0001	0
Valley		All mfg.	3		6.6	.0004	0
Yellowstone	31	All mfg.	47	9	1,499.1	.0868	92
State Total		All mfg.	257	49	3,857.3	.2232	77
NEBRASKA							
Adams		All mfg.	25	5	152.1	.0088	33
Antelope		All mfg.	2		14.0	.0008	0
Box Butte		All mfg.	5	2	25.9	.0015	41
Buffalo		All mfg.	22	9	232.1	.0134	63
Burt		All mfg.	1	1	6.6	.0004	100
Butler		All mfg.	1	1	4.1	.0002	100
Cass		All mfg.	6	1	51.8	.0030	70
Cedar		All mfg.	1		23.1	.0013	0
Chase		All mfg.	1		8.0	.0005	0
Cheyenne		All mfg.	7	2	92.7	.0054	27
Clay		All mfg.	1		3.9	.0002	0
Colfax		All mfg.	3	2	166.2	.0096	94
Cuming		All mfg.	5	2	98.3	.0057	85
Custer		All mfg.	4	1	21.8	.0013	72
Dakota	259	All mfg.	8	2	652.4	.0378	96
2011		Meat-packing plants	1	1	619.8	1.5975	100
Dawson		All mfg.	22	6	319.6	.0185	60
Deuel		All mfg.	1		12.4	.0007	0
Dixon		All mfg.	1	1	8.4	.0005	100
Dodge		All mfg.	33	8	528.5	.0306	69
2011		Meat-packing plants	2	1	256.5	.6611	97
Douglas	200	All mfg.	235	69	3,657.5	.2117	77
2011		Meat-packing plants	20	6	719.9	1.8555	75
3523		Farm machinery & equipment	4	2	116.9	1.0587	92
3561		Pumps & pumping equipment	4	1	53.5	1.5887	92
3661		Telephone & telegraph apparatus	1	1	565.7	4.4497	100
Fillmore		All mfg.	1		2.9	.0002	0
Furnas		All mfg.	1		1.3	.0001	0
Gage		All mfg.	11	4	108.9	.0063	66
Garden		All mfg.	1	1	5.4	.0003	100
Garfield		All mfg.	1		6.3	.0004	0
Hall		All mfg.	35	9	443.1	.0256	75
3523		Farm machinery & equipment	5	2	167.7	1.5188	94
Hamilton		All mfg.	4	1	21.2	.0012	31
Harlan		All mfg.	1		4.2	.0002	0
Hitchcock		All mfg.	2	1	15.3	.0009	81
Holt		All mfg.	2	1	21.7	.0013	57
Hooker		All mfg.	1		8.6	.0005	0
Jefferson		All mfg.	6	3	38.9	.0023	43
Johnson		All mfg.	1	1	13.8	.0008	100
Kearney		All mfg.	2		17.1	.0010	0
Keith		All mfg.	3	1	30.5	.0018	91
Kimball		All mfg.	2		7.5	.0004	0
Lancaster	152	All mfg.	87	36	1,456.3	.0843	87
3041		Rubber & plastic hose & belting	1	1	87.9	5.6137	100
Lincoln		All mfg.	3		27.7	.0016	0
Madison		All mfg.	26	9	347.0	.0201	67
Merrick		All mfg.	2	1	10.5	.0006	63
Morrill		All mfg.	1	1	36.5	.0021	100
Nemaha		All mfg.	6	3	43.6	.0025	67
Nuckolls		All mfg.	3	2	65.7	.0038	79
Otoe		All mfg.	10	3	68.0	.0039	56
Pawnee		All mfg.	1		.9	.0001	0
Phelps		All mfg.	5	1	56.2	.0033	70
Pierce		All mfg.	1		6.8	.0004	0
Platte		All mfg.	23	7	269.7	.0156	78
3676		Electronic resistors	1	1	53.3	6.7010	100
Polk		All mfg.	2		2.8	.0002	0
Red Willow		All mfg.	11	2	58.5	.0034	44
Richardson		All mfg.	7	1	53.3	.0031	47
Rock		All mfg.	1		6.4	.0004	0
Saline		All mfg.	10	5	233.0	.0135	87
Sarpy	200	All mfg.	5	3	84.4	.0049	78
Saunders		All mfg.	7		31.7	.0018	0
Scotts Bluff		All mfg.	21	7	324.1	.0188	56
Seward		All mfg.	2	2	38.5	.0022	100
Sheridan		All mfg.	2		30.9	.0018	0
Thayer		All mfg.	3	1	27.4	.0016	91
Thurston		All mfg.	3	1	17.5	.0010	47
Valley		All mfg.	1		1.5	.0001	0
Washington		All mfg.	4	2	49.2	.0028	89
Wayne		All mfg.	2		4.8	.0003	0
Webster		All mfg.	2		11.1	.0006	0
York		All mfg.	13	2	92.1	.0053	44
State Total		All mfg.	722	223	10,282.2	.5951	74

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
NEVADA							
Carson City		**All mfg.**	**6**	**1**	**23.7**	**.0014**	**46**
Churchill		**All mfg.**	**1**		**8.4**	**.0005**	**0**
Clark	**146**	**All mfg.**	**35**	**9**	**401.1**	**.0232**	**73**
Douglas		**All mfg.**	**2**	**1**	**35.9**	**.0021**	**91**
Elko		**All mfg.**	**1**		**1.0**	**.0001**	**0**
Esmeralda		**All mfg.**	**1**		**2.4**	**.0001**	**0**
Humboldt		**All mfg.**	**1**		**1.0**	**.0001**	**0**
Lander		**All mfg.**	**1**		**11.8**	**.0007**	**0**
Lyon		**All mfg.**	**3**	**1**	**51.5**	**.0030**	**48**
Nye		**All mfg.**	**1**		**.8**	**.0000**	**0**
Pershing		**All mfg.**	**1**		**7.3**	**.0004**	**0**
Washoe	**228**	**All mfg.**	**54**	**13**	**428.0**	**.0248**	**68**
White Pine		**All mfg.**	**1**	**1**	**70.8**	**.0041**	**100**
State Total		**All mfg.**	**108**	**26**	**1,043.7**	**.0604**	**69**
NEW HAMPSHIRE							
Belknap		**All mfg.**	**43**	**16**	**240.9**	**.0139**	**70**
Carroll		**All mfg.**	**17**	**5**	**60.7**	**.0035**	**64**
Cheshire		**All mfg.**	**75**	**24**	**368.7**	**.0213**	**61**
Coos		**All mfg.**	**16**	**7**	**402.6**	**.0233**	**94**
2611		Pulp mills	2	1	285.4	9.3482	97
Grafton		**All mfg.**	**51**	**14**	**261.4**	**.0151**	**67**
Hillsborough	**164**	**All mfg.**	**315**	**121**	**2,786.0**	**.1612**	**81**
2253		Knit-outerwear mills	5	5	78.0	2.9497	100
2641		Paper coating & glazing	3	2	222.4	5.2200	98
3021		Rubber & plastic footwear	3	3	40.5	6.8737	100
3079		Miscellaneous plastics products	20	7	110.4	.4307	70
3144		Women's nonathletic footwear	5	4	43.5	2.5990	94
3149		Nonrubber footwear n.e.c.	5	3	14.6	1.9797	90
3573		Electronic computing equipment	9	4	204.2	.8446	90
3613		Switchgear & switchboard apparatus	4	3	73.1	1.5693	98
3662		Radio & TV communication equipment	4	2	205.4	.8737	95
3679		Electronic components n.e.c.	17	8	88.5	1.1667	85
3811		Engineering & scientific instruments	2	1	48.3	1.7529	97
3825		Electricity-measuring instruments	2	2	64.1	1.6462	100
Merrimack		**All mfg.**	**86**	**30**	**610.6**	**.0353**	**78**
2751		Letterpress commercial printing	4	1	29.3	.5361	91
Rockingham	**39**	**All mfg.**	**124**	**40**	**1,162.0**	**.0673**	**79**
3069		Fabricated rubber products n.e.c.	2	2	41.4	.9003	100
3149		Nonrubber footwear n.e.c.	5	5	21.8	2.9559	100
Strafford		**All mfg.**	**60**	**23**	**699.8**	**.0405**	**85**
3069		Fabricated rubber products n.e.c.	2	2	144.4	3.1401	100
3144		Women's nonathletic footwear	8	7	67.5	4.0330	98
3612		Transformers	1	1	71.3	2.3920	100
Sullivan		**All mfg.**	**37**	**13**	**313.8**	**.0182**	**80**
3532		Mining machinery	1	1	69.5	2.5123	100
State Total		**All mfg.**	**824**	**293**	**6,906.5**	**.3997**	**79**
NEW JERSEY							
Atlantic	**20**	**All mfg.**	**87**	**26**	**680.1**	**.0394**	**71**
2311		Men's & boys' suits & coats	5	5	59.6	1.6429	100
3262		Vitreous china food utensils	1	1	33.4	12.9007	100
Bergen	**194**	**All mfg.**	**1,122**	**294**	**8,976.3**	**.5195**	**71**
2052		Cookies & crackers	2	2	176.4	5.1876	100
2253		Knit-outerwear mills	11	6	125.0	4.7271	90
2335		Women's & misses' dresses	15	3	59.1	1.0932	67
2651		Folding paperboard boxes	10	3	63.6	2.2257	73
2653		Corrugated & solid fiber boxes	11	9	118.9	1.4122	89
2711		Newspapers	7	3	65.8	.4091	91
2721		Periodicals	12	4	180.0	2.3903	89
2731		Book publishing	12	8	320.2	5.2488	95
2732		Book printing	3	2	79.4	3.7967	98
2751		Letterpress commercial printing	26	6	52.1	.9532	59
2752		Lithographic commercial printing	30	3	176.6	1.5001	37
2833		Medicinals & botanicals	7	1	132.8	4.4962	70
2834		Pharmaceutical preparations	11	4	126.7	.7641	68
2842		Polishes & sanitation goods	10	3	108.0	2.4595	65
2844		Toilet preparations	13	9	449.9	4.8766	95
2869		Industrial organic chemicals n.e.c.	17	6	443.8	1.4716	73
3079		Miscellaneous plastics products	43	19	224.8	.8770	74
3429		Hardware n.e.c.	6	2	85.9	1.3644	86
3494		Valves & pipe fittings	8	6	78.8	1.1396	96
3499		Fabricated metal products n.e.c.	11	3	60.5	1.4408	66
3572		Typewriters	1	1	168.9	6.5715	100
3599		Machinery, except electrical, n.e.c.	20	1	69.5	.6320	39
3621		Motors & generators	4	3	88.8	1.4966	99
3662		Radio & TV communication equipment	14	6	244.6	1.0404	90
3679		Electronic components n.e.c.	18	3	44.9	.5919	59
3728		Aircraft equipment n.e.c.	5	1	122.1	1.6624	89
3811		Engineering & scientific instruments	9	2	72.4	2.6276	79
3841		Surgical & medical instruments	7	3	91.0	3.5319	90
3842		Surgical appliances & supplies	7	4	86.6	2.3039	90
3861		Photographic equipment & supplies	11	4	242.9	1.5902	80
3944		Games, toys, & children's vehicles	6	3	63.6	1.9677	93
Burlington	**211**	**All mfg.**	**199**	**59**	**1,653.4**	**.0957**	**78**
3662		Radio & TV communication equipment	6	3	223.1	.9489	94
3944		Games, toys, & children's vehicles	2	2	56.7	1.7542	100
Camden	**211**	**All mfg.**	**334**	**89**	**2,592.8**	**.1501**	**72**
2032		Canned food specialties	2	1	194.0	5.4642	94
3211		Flat glass	2	1	102.4	4.2863	98
3296		Mineral wool	3	3	210.2	7.7476	100
3662		Radio & TV communication equipment	11	5	194.2	.8260	89
Cape May		**All mfg.**	**25**	**4**	**86.7**	**.0050**	**39**
Cumberland	**285**	**All mfg.**	**123**	**49**	**1,038.6**	**.0601**	**78**
2311		Men's & boys' suits & coats	7	7	56.2	1.5492	100
3221		Glass containers	5	4	177.0	6.3133	99
3229		Pressed & blown glass n.e.c.	4	2	55.9	3.4459	98
3231		Products of purchased glass	15	4	95.6	3.5572	53
Essex	**185**	**All mfg.**	**937**	**190**	**6,982.8**	**.4041**	**68**
2051		Bread, cake, & related products	9	5	87.3	.7782	91
2082		Malt beverages	2	2	431.6	4.9947	100
2381		Fabric dress & work gloves	2	1	23.5	5.8356	93
2655		Fiber cans, drums, & similar products	3	1	73.6	6.2740	90
2751		Letterpress commercial printing	24	4	45.4	.8306	49
2833		Medicinals & botanicals	4	2	1,070.5	36.2439	99
2834		Pharmaceutical preparations	5	4	152.6	.9203	98
2851		Paints & allied products	23	5	205.5	2.4239	57
2865		Cyclic crudes & intermediates	9	4	270.0	3.9814	83
3079		Miscellaneous plastics products	33	7	142.7	.5567	55
3499		Fabricated metal products n.e.c.	11	2	68.2	1.6241	72
3544		Special dies, tools, jigs, & fixtures	21	2	28.8	.9330	37
3599		Machinery, except electrical, n.e.c.	13	1	80.0	.7275	59
3612		Transformers	3	1	91.8	3.0797	97
3634		Electric housewares & fans	2	1	73.6	2.2401	97
3641		Electric lamps	7	5	153.5	7.5608	93
3662		Radio & TV communication equipment	14	5	159.6	.6789	75
3679		Electronic components n.e.c.	24	8	114.3	1.5068	84
3825		Electricity-measuring instruments	4	3	57.2	1.4690	98
3829		Measuring & controlling devices n.e.c.	7	1	66.0	3.9134	83
3911		Precious-metal jewelry	19	6	109.6	4.4777	65
3944		Games, toys, & children's vehicles	4	2	62.8	1.9429	95
3993		Signs & advertising displays	8	3	38.8	1.9881	74
3999		Manufactures n.e.c.	10	2	68.5	2.3276	69
Gloucester	**211**	**All mfg.**	**120**	**27**	**2,641.0**	**.1528**	**91**
2911		Petroleum refining	1	1	1,780.0	1.1381	100
3652		Phonograph records & pre-recorded tape	1	1	115.1	7.9687	100
Hudson	**125**	**All mfg.**	**753**	**171**	**7,553.8**	**.4372**	**77**
2095		Roasted coffee	2	2	917.9	12.8734	100
2253		Knit-outerwear mills	31	5	78.4	2.9649	38
2335		Women's & misses' dresses	25	4	73.3	1.3559	47
2337		Women's & misses' suits & coats	42	3	192.3	5.2204	30
2339		Women's & misses' outerwear n.e.c.	15	6	48.0	1.1968	65

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 1[illegible] employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
2342	Brassieres, girdles, & allied garments	6	1	52.5	6.4671	87
2653	Corrugated & solid fiber boxes	10	6	85.2	1.0119	85
2844	Toilet preparations	3	2	494.6	5.3611	99
2869	Industrial organic chemicals n.e.c.	7	4	352.7	1.1695	91
3079	Miscellaneous plastics products	23	7	130.5	.5091	59
3171	Women's handbags & purses	6	5	84.3	14.1752	99
3221	Glass containers	3	3	68.9	2.4576	100
3357	Nonferrous-wire drawing & insulating	2	2	362.0	3.8783	100
3661	Telephone & telegraph apparatus	1	1	969.7	7.6275	100
3731	Ship building & repairing	4	4	64.9	.7935	100
3999	Manufactures n.e.c.	8	1	109.3	3.7139	88
Hunterdon	**All mfg.**	**66**	**21**	**528.2**	**.0306**	**70**
Mercer	**277 All mfg.**	**235**	**75**	**1,980.4**	**.1146**	**79**
2711	Newspapers	7	5	69.8	.4340	93
3069	Fabricated rubber products n.e.c.	6	5	39.3	.8546	93
3079	Miscellaneous plastics products	8	5	83.7	.3265	90
3429	Hardware n.e.c.	1	1	228.2	3.6246	100
3585	Refrigeration & heating equipment	3	3	209.6	1.2108	100
3643	Current-carrying wiring devices	1	1	32.0	1.5924	100
3662	Radio & TV communication equipment	6	2	120.5	.5125	81
3996	Hard-surface floor coverings n.e.c.	2	2	75.2	11.7776	100
Middlesex	**188 All mfg.**	**648**	**207**	**9,793.3**	**.5668**	**85**
2052	Cookies & crackers	2	1	88.2	2.5938	93
2647	Sanitary paper products	4	2	269.8	4.4177	95
2819	Industrial inorganic chemicals n.e.c.	12	5	120.9	1.1227	80
2821	Plastics materials & synthetic resins	10	5	174.6	1.2732	86
2833	Medicinals & botanicals	3	2	399.5	13.5259	98
2834	Pharmaceutical preparations	8	6	486.0	2.9308	99
2844	Toilet preparations	12	9	1,003.0	10.8718	93
2869	Industrial organic chemicals n.e.c.	10	4	563.2	1.8675	78
3079	Miscellaneous plastics products	34	9	155.4	.6063	50
3331	Primary copper	1	1	202.1	3.7646	100
3356	Nonferrous rolling & drawing n.e.c.	2	2	284.4	7.9127	100
3357	Nonferrous-wire drawing & insulating	6	4	240.3	2.5745	94
3411	Metal cans	6	5	182.4	2.1428	94
3585	Refrigeration & heating equipment	5	4	316.6	1.8290	99
3679	Electronic components n.e.c.	15	7	48.6	.6407	84
3711	Motor vehicles & passenger-car bodies	2	2	632.0	.9401	100
3944	Games, toys, & children's vehicles	9	6	166.5	5.1513	96
Monmouth	**154 All mfg.**	**243**	**55**	**2,049.1**	**.1186**	**77**
2654	Sanitary food containers	2	1	109.4	4.5910	98
3221	Glass containers	2	2	55.7	1.9867	100
3573	Electronic computing equipment	4	3	221.1	.9145	97
3679	Electronic components n.e.c.	11	3	37.8	.4983	65
Morris	**185 All mfg.**	**320**	**107**	**3,301.3**	**.1911**	**78**
2834	Pharmaceutical preparations	5	4	256.6	1.5474	97
3079	Miscellaneous plastics products	28	11	171.1	.6675	72
3483	Ammunition, except small-arms, n.e.c.	1	1	120.3	14.1780	100
3662	Radio & TV communication equipment	7	4	188.4	.8014	94
3679	Electronic components n.e.c.	11	5	37.6	.4957	76
Ocean	**All mfg.**	**65**	**12**	**558.4**	**.0323**	**74**
2865	Cyclic crudes & intermediates	1	1	277.4	4.0905	100
Passaic	**207 All mfg.**	**712**	**151**	**5,041.3**	**.2918**	**67**
2051	Bread, cake, & related products	5	2	107.1	.9546	92
2261	Cotton-finishing plants	21	6	36.8	3.6760	50
2337	Women's & misses' suits & coats	29	6	164.1	4.4549	40
2821	Plastics materials & synthetic resins	4	3	167.0	1.2178	96
2844	Toilet preparations	4	4	275.8	2.9895	100
2865	Cyclic crudes & intermediates	9	3	242.8	3.5803	80
2869	Industrial organic chemicals n.e.c.	6	2	303.3	1.0057	87
3079	Miscellaneous plastics products	30	8	161.8	.6312	64
3411	Metal cans	4	4	141.3	1.6600	100
3535	Conveyors & conveying equipment	7	3	68.9	2.7963	87
3576	Scales & balances, except laboratory	2	2	64.0	10.7203	100
3662	Radio & TV communication equipment	7	3	92.5	.3934	83
3679	Electronic components n.e.c.	14	3	161.2	2.1251	91
3861	Photographic equipment & supplies	2	1	180.5	1.1817	97
Salem	**295 All mfg.**	**27**	**10**	**1,178.7**	**.0682**	**95**
2869	Industrial organic chemicals n.e.c.	1	1	905.6	3.0028	100
Somerset	**185 All mfg.**	**138**	**40**	**2,573.8**	**.1490**	**86**
2821	Plastics materials & synthetic resins	2	1	303.9	2.2160	99
2834	Pharmaceutical preparations	3	3	270.6	1.6319	100
2865	Cyclic crudes & intermediates	5	2	516.0	7.6089	94
3292	Asbestos products	1	1	85.8	6.5312	100
3674	Semiconductors & related devices	2	2	159.4	2.1218	100
3842	Surgical appliances & supplies	1	1	126.0	3.3521	100
Sussex	**All mfg.**	**33**	**10**	**261.3**	**.0151**	**72**
Union	**185 All mfg.**	**737**	**197**	**11,330.6**	**.6558**	**87**
2052	Cookies & crackers	2	1	83.8	2.4644	98
2834	Pharmaceutical preparations	14	10	1,196.5	7.2155	98
2911	Petroleum refining	2	2	3,824.1	2.4450	100
3079	Miscellaneous plastics products	43	11	190.7	.7440	59
3452	Bolts, nuts, rivets, & washers	8	3	97.0	2.4681	87
3469	Metal stampings n.e.c.	18	5	66.7	1.1845	51
3544	Special dies, tools, jigs, & fixtures	31	3	43.7	1.4157	31
3549	Metalworking machinery n.e.c.	2	1	39.6	5.2744	96
3562	Ball & roller bearings	1	1	52.0	2.3221	100
3599	Machinery, except electrical, n.e.c.	15	3	87.4	.7947	67
3636	Sewing machines	2	1	76.0	19.4224	96
3643	Current-carrying wiring devices	5	2	46.9	2.3338	90
3661	Telephone & telegraph apparatus	2	2	104.6	8228	100
3679	Electronic components n.e.c.	13	6	191.4	2.5232	94
3711	Motor vehicles & passenger-car bodies	1	1	984.6	1.4645	100
Warren	**7 All mfg.**	**80**	**23**	**763.2**	**.0442**	**74**
3561	Pumps & pumping equipment	1	1	119.4	3.5457	100
State Total	**All mfg.**	**7,004**	**1,817**	**71,565.1**	**4.1419**	**78**

NEW MEXICO

County SIC	Metro Area Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Bernalillo	**5 All mfg.**	**141**	**41**	**1,389.3**	**.0804**	**83**
3661	Telephone & telegraph apparatus	1	1	101.1	.7952	100
3662	Radio & TV communication equipment	4	2	140.5	.5976	95
3724	Aircraft engines & engine parts	1	1	115.5	1.0667	100
3728	Aircraft equipment n.e.c.	2	1	76.6	1.0429	98
3769	Space-vehicle equipment n.e.c.	1	1	88.5	9.5727	100
Catron	**All mfg.**	**1**	**1**	**14.0**	**.0008**	**100**
Chaves	**All mfg.**	**21**	**3**	**256.9**	**.0149**	**75**
Colfax	**All mfg.**	**6**	**2**	**67.8**	**.0039**	**84**
Curry	**All mfg.**	**7**	**1**	**40.1**	**.0023**	**14**
Dona Ana	**145 All mfg.**	**19**	**5**	**288.3**	**.0167**	**76**
2032	Canned food specialties	1	1	141.0	3.9714	100
Eddy	**All mfg.**	**18**	**6**	**494.7**	**.0286**	**88**
Grant	**All mfg.**	**2**		**3.1**	**.0002**	**0**
Hidalgo	**All mfg.**	**1**	**1**	**94.9**	**.0055**	**100**
Lea	**All mfg.**	**15**	**4**	**552.2**	**.0320**	**62**
Lincoln	**All mfg.**	**1**		**2.6**	**.0002**	**0**
Luna	**All mfg.**	**6**	**2**	**41.1**	**.0024**	**52**
McKinley	**All mfg.**	**16**	**3**	**256.9**	**.0149**	**27**
Otero	**All mfg.**	**9**	**2**	**57.0**	**.0033**	**45**
Quay	**All mfg.**	**5**	**1**	**22.9**	**.0013**	**49**
Rio Arriba	**All mfg.**	**4**		**13.1**	**.0008**	**0**
Roosevelt	**All mfg.**	**8**	**1**	**49.7**	**.0029**	**32**
Sandoval	**5 All mfg.**	**5**		**10.6**	**.0006**	**0**
San Juan	**All mfg.**	**17**	**2**	**434.0**	**.0251**	**49**
San Miguel	**All mfg.**	**4**		**13.8**	**.0008**	**0**
Santa Fe	**251 All mfg.**	**10**	**1**	**41.0**	**.0024**	**32**
Socorro	**All mfg.**	**1**		**2.4**	**.0001**	**0**
Taos	**All mfg.**	**3**		**3.7**	**.0002**	**0**
Torrance	**All mfg.**	**1**		**3.6**	**.0002**	**0**
Valencia	**All mfg.**	**6**		**33.5**	**.0019**	**0**
State Total	**All mfg.**	**327**	**76**	**4,187.2**	**.2423**	**69**

For more data

Information for S&MM's *Survey of Industrial Purchasing Power* is developed by Economic Information Systems from its data base of all types of industrial establishments with 20 or more employees. The *Survey* taps just a small portion of EIS's files. For example, the company can provide data for industry classifications down to the 7-digit SIC level. For more information, contact EIS at 310 Madison Ave., New York, NY 10017; 212-697-6080.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
NEW YORK							
Albany	**4**	**All mfg.**	**129**	**43**	**1,549.8**	**.0897**	**83**
3291		Abrasive products	1	1	104.7	4.2840	100
3312		Blast furnaces & steel mills	1	1	174.0	.3441	100
3489		Ordnance & accessories n.e.c.	1	1	124.6	15.1933	100
Allegany		**All mfg.**	**17**	**6**	**370.9**	**.0215**	**92**
3443		Fabricated plate work (boiler shops)	2	1	76.4	.8640	98
3511		Turbines & turbine-generator set units	1	1	125.3	3.3666	100
3612		Transformers	1	1	53.4	1.7915	100
Bronx	**194**	**All mfg.**	**347**	**63**	**2,377.8**	**.1376**	**67**
2753		Engraving & plate printing	1	1	26.9	8.0107	100
3079		Miscellaneous plastics products	20	4	103.0	.4018	58
3444		Sheet-metal work	9	3	48.7	.8447	72
Broome	**33**	**All mfg.**	**120**	**42**	**2,353.6**	**.1362**	**92**
3143		Men's nonathletic footwear	1	1	39.6	1.8141	100
3573		Electronic computing equipment	1	1	910.0	3.7640	100
3662		Radio & TV communication equipment	2	1	266.5	1.1336	98
3679		Electronic components n.e.c.	9	7	124.6	1.6426	97
3861		Photographic equipment & supplies	2	2	313.9	2.0550	100
Cattaraugus		**All mfg.**	**63**	**24**	**660.6**	**.0382**	**74**
3563		Air & gas compressors	1	1	162.0	8.7303	100
Cayuga		**All mfg.**	**42**	**15**	**500.9**	**.0290**	**81**
3674		Semiconductors & related devices	2	2	72.4	.9637	100
Chautauqua	**123**	**All mfg.**	**131**	**55**	**1,349.7**	**.0781**	**81**
2033		Canned fruits & vegetables	5	4	128.7	1.6631	99
2511		Wood household furniture	11	7	55.0	1.1761	84
3562		Ball & roller bearings	1	1	53.9	2.4069	100
Chemung	**80**	**All mfg.**	**62**	**22**	**855.0**	**.0495**	**86**
2033		Canned fruits & vegetables	1	1	114.0	1.4732	100
3221		Glass containers	1	1	51.0	1.8191	100
Chenango		**All mfg.**	**35**	**15**	**513.8**	**.0297**	**85**
2834		Pharmaceutical preparations	1	1	176.2	1.0626	100
Clinton		**All mfg.**	**20**	**10**	**273.8**	**.0158**	**85**
Columbia		**All mfg.**	**31**	**10**	**185.2**	**.0107**	**66**
Cortland		**All mfg.**	**26**	**13**	**696.2**	**.0403**	**93**
3572		Typewriters	1	1	518.6	20.1774	100
Delaware		**All mfg.**	**22**	**9**	**372.0**	**.0215**	**89**
3678		Electronic connectors	1	1	182.7	11.1131	100
Dutchess	**219**	**All mfg.**	**93**	**39**	**1,362.2**	**.0788**	**89**
2732		Book printing	1	1	84.0	4.0166	100
3573		Electronic computing equipment	1	1	428.3	1.7716	100
3674		Semiconductors & related devices	3	2	216.2	2.8779	98
3679		Electronic components n.e.c.	2	2	102.6	1.3526	100
Erie	**45**	**All mfg.**	**578**	**201**	**9,599.2**	**.5556**	**87**
2041		Flour & other grain-mill products	6	5	289.9	6.1714	98
2311		Men's & boys' suits & coats	5	1	48.3	1.3314	85
2711		Newspapers	6	2	160.1	.9954	96
2751		Letterpress commercial printing	18	5	97.3	1.7802	83
3011		Tires & inner tubes	1	1	147.1	1.4385	100
3079		Miscellaneous plastics products	14	3	85.9	.3351	62
3312		Blast furnaces & steel mills	5	5	1,694.9	3.3520	100
3423		Hand & edge tools n.e.c.	6	2	93.2	3.4194	89
3433		Heating equipment, except electric	3	2	39.9	2.1682	97
3443		Fabricated plate work (boiler shops)	7	6	125.9	1.4239	98
3462		Iron & steel forgings	4	2	94.1	2.7072	96
3465		Automotive stampings	1	1	549.7	4.4683	100
3496		Miscellaneous fabricated wire products	9	4	27.2	1.5078	82
3542		Metal-forming machine tools	6	3	46.6	5.0032	94
3559		Special-industry machinery n.e.c.	7	2	181.5	2.8678	92
3563		Air & gas compressors	2	2	84.2	4.5376	100
3564		Blowers & exhaust & ventilation fans	3	2	42.9	3.4056	94
3662		Radio & TV communication equipment	6	5	233.9	.9949	98
3714		Motor-vehicle parts & accessories	7	6	876.8	2.7807	99
3728		Aircraft equipment n.e.c.	3	3	66.6	.9068	100
3832		Optical instruments & lenses	1	1	90.2	4.5629	100
3944		Games, toys, & children's vehicles	2	2	145.6	4.5047	100
Essex		**All mfg.**	**10**	**2**	**178.6**	**.0103**	**70**
Franklin		**All mfg.**	**11**	**3**	**73.8**	**.0043**	**44**
Fulton		**All mfg.**	**72**	**19**	**483.3**	**.0280**	**71**
3111		Leather tanning & finishing	20	5	108.5	5.8494	51
3151		Leather gloves & mittens	17	4	47.4	21.2270	64
3944		Games, toys, & children's vehicles	1	1	107.8	3.3352	100
Genesee		**All mfg.**	**43**	**13**	**492.2**	**.0285**	**77**
3264		Porcelain electrical supplies	1	1	46.8	9.1819	100
Greene		**All mfg.**	**16**	**10**	**184.5**	**.0107**	**93**
Hamilton		**All mfg.**	**1**		**12.4**	**.0007**	**0**
Herkimer	**282**	**All mfg.**	**37**	**13**	**548.6**	**.0318**	**87**
3484		Small arms	1	1	109.6	11.7282	100
3573		Electronic computing equipment	1	1	187.3	.7747	100
Jefferson		**All mfg.**	**40**	**15**	**464.3**	**.0269**	**79**
2621		Paper mills, except building paper	4	2	171.6	.9231	91
Kings	**194**	**All mfg.**	**1,357**	**274**	**7,030.4**	**.4069**	**58**
2051		Bread, cake, & related products	15	8	119.1	1.0616	89
2065		Confectionery products	9	3	87.5	1.5578	75
2253		Knit-outerwear mills	75	11	166.4	6.2928	35
2311		Men's & boys' suits & coats	7	5	44.0	1.2129	94
2341		Women's & children's underwear	14	6	33.9	1.4897	74
2392		House furnishings n.e.c.	24	6	201.4	7.2470	65
2522		Metal office furniture	10	4	97.4	6.0246	80
2642		Envelopes	6	5	51.5	4.1904	94
2652		Set-up paperboard boxes	10	5	35.8	8.6411	87
2731		Book publishing	2	1	111.9	1.8343	97
2751		Letterpress commercial printing	30	1	39.8	.7282	8
2834		Pharmaceutical preparations	3	1	388.9	2.3453	97
3079		Miscellaneous plastics products	45	9	181.8	.7093	46
3161		Luggage	13	4	53.2	6.6367	67
3429		Hardware n.e.c.	10	3	102.4	1.6265	83
3469		Metal stampings n.e.c.	24	3	66.2	1.1756	31
3643		Current-carrying wiring devices	6	3	85.0	4.2297	94
3648		Lighting equipment n.e.c.	10	5	55.0	6.5664	82
3679		Electronic components n.e.c.	7	3	62.4	.8226	93
3731		Ship building & repairing	9	4	95.2	1.1640	83
3942		Dolls & stuffed toy animals	22	6	73.1	21.3493	63
3944		Games, toys, & children's vehicles	13	5	81.9	2.5339	79
3999		Manufactures n.e.c.	24	6	76.2	2.5892	48
Lewis		**All mfg.**	**18**	**7**	**256.3**	**.0148**	**74**
Livingston	**234**	**All mfg.**	**27**	**13**	**316.6**	**.0183**	**87**
3443		Fabricated plate work (boiler shops)	1	1	71.2	.8052	100
Madison	**269**	**All mfg.**	**22**	**5**	**154.8**	**.0090**	**51**
Monroe	**234**	**All mfg.**	**410**	**126**	**9,474.4**	**.5483**	**92**
2311		Men's & boys' suits & coats	3	2	95.1	2.6215	98
2711		Newspapers	5	1	82.6	.5135	93
2752		Lithographic commercial printing	11	3	131.1	1.1136	72
3079		Miscellaneous plastics products	11	3	86.4	.3371	76
3433		Heating equipment, except electric	1	1	116.5	6.3308	100
3443		Fabricated plate work (boiler shops)	1	1	76.4	.8640	100
3541		Metal-cutting machine tools	10	4	80.2	3.3967	92
3544		Special dies, tools, jigs, & fixtures	31	4	64.6	2.0928	50
3559		Special-industry machinery n.e.c.	9	3	144.9	2.2895	90
3592		Carburetors, pistons, rings, & valves	1	1	296.6	12.2284	100
3634		Electric housewares & fans	2	2	71.5	2.1762	100
3661		Telephone & telegraph apparatus	2	1	156.4	1.2302	98
3662		Radio & TV communication equipment	6	4	244.1	1.0383	96
3823		Industrial process-control instruments	4	3	125.0	5.2892	99
3832		Optical instruments & lenses	8	3	163.5	8.2709	93
3851		Ophthalmic goods	9	8	106.9	14.3010	99
3861		Photographic equipment & supplies	12	9	5,373.6	35.1793	99
Montgomery	**4**	**All mfg.**	**55**	**25**	**506.6**	**.0293**	**75**
2381		Fabric dress & work gloves	1	1	24.2	6.0094	100
Nassau	**184**	**All mfg.**	**1,068**	**247**	**8,715.5**	**.5044**	**76**
2645		Die-cut paper & board	2	2	96.4	7.1535	100
2731		Book publishing	9	2	151.2	2.4785	79
2751		Letterpress commercial printing	26	2	32.1	.5873	27
2752		Lithographic commercial printing	27	7	199.2	1.6921	63
2834		Pharmaceutical preparations	16	10	261.7	1.5782	88
2844		Toilet preparations	11	3	204.6	2.2177	77

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
3079	Miscellaneous plastics products	55	9	241.0	.9402	46
3442	Metal doors, sash, & trim	21	4	60.1	1.5529	51
3573	Electronic computing equipment	9	6	131.4	.5435	87
3599	Machinery, except electrical, n.e.c.	43	4	142.4	1.2949	28
3643	Current-carrying wiring devices	8	3	41.9	2.0850	79
3662	Radio & TV communication equipment	29	8	363.0	1.5440	79
3679	Electronic components n.e.c.	50	17	206.2	2.7183	76
3713	Truck & bus bodies	2	1	177.6	5.9127	99
3721	Aircraft	2	2	2,362.9	10.3493	100
3728	Aircraft equipment n.e.c.	15	7	86.8	1.1818	82
3811	Engineering & scientific instruments	13	5	65.6	2.3808	72
3825	Electricity-measuring instruments	17	10	108.8	2.7942	89
3861	Photographic equipment & supplies	11	3	319.8	2.0936	88
New York	**194 All mfg.**	**2,896**	**455**	**13,551.4**	**.7843**	**57**
2086	Bottled & canned soft drinks	4	2	384.5	2.9677	98
2241	Narrow-fabric mills	32	4	44.8	6.0565	38
2253	Knit-outerwear mills	24	3	59.1	2.2350	40
2311	Men's & boys' suits & coats	44	16	208.9	5.7585	79
2323	Men's & boys' neckwear	36	2	65.7	24.7738	18
2329	Men's & boys' clothing n.e.c.	11	5	33.7	2.5130	85
2331	Women's & misses' blouses	32	2	81.2	2.7795	15
2335	Women's & misses' dresses	130	12	305.3	5.6474	29
2337	Women's & misses' suits & coats	85	18	399.9	10.8562	49
2339	Women's & misses' outerwear n.e.c.	65	14	172.0	4.2884	47
2341	Women's & children's underwear	69	9	107.1	4.7062	29
2342	Brassieres, girdles, & allied garments	18	9	74.2	9.1402	77
2351	Millinery	26	1	37.4	43.5897	10
2352	Hats & caps, except millinery	24	2	25.7	7.7597	19
2361	Girls' & children's dresses & blouses	27	5	59.6	5.8078	47
2369	Girls' & children's outerwear n.e.c.	31	9	62.9	7.0508	60
2371	Fur goods	77	4	283.4	64.8810	15
2387	Apparel belts	40	5	81.3	26.7522	30
2391	Curtains & draperies	22	3	66.4	5.3975	37
2392	House furnishings n.e.c.	21	1	87.6	3.1521	19
2395	Pleating, stitching, & tucking	31	3	171.6	22.1705	37
2396	Automotive & apparel trimmings	53	2	315.5	12.0705	10
2711	Newspapers	20	11	676.7	4.2072	98
2721	Periodicals	228	43	2,270.0	30.1441	71
2731	Book publishing	100	44	1,918.4	31.4466	91
2741	Miscellaneous publishing	35	13	294.6	13.0003	82
2751	Letterpress commercial printing	193	25	325.1	5.9479	40
2752	Lithographic commercial printing	115	13	629.4	5.3464	38
2753	Engraving & plate printing	11	4	27.5	8.1894	71
2789	Bookbinding & related work	30	2	43.4	6.6780	26
2791	Typesetting	35	5	99.4	11.5568	39
2793	Photoengraving	22	10	59.1	21.9866	78
2834	Pharmaceutical preparations	4	1	145.9	.8798	92
3171	Women's handbags & purses	40	10	109.7	18.4463	64
3172	Personal leather goods n.e.c.	34	3	58.5	13.2383	23
3555	Printing-trades machinery	15	4	80.9	3.5777	57
3652	Phonograph records & pre-recorded tape	17	7	133.6	9.2495	77
3911	Precious-metal jewelry	124	12	513.4	20.9748	33
3915	Jewelers' materials & lapidary work	21	3	152.6	18.0123	42
3961	Costume jewelry	63	11	137.5	15.5666	39
3963	Buttons	26	3	36.1	31.7502	30
3964	Needles, pins, & fasteners	27	4	55.5	7.0360	32
3993	Signs & advertising displays	29	3	58.5	2.9975	33
3999	Manufactures n.e.c.	55	1	114.1	3.8770	4
Niagara	**45 All mfg.**	**137**	**58**	**3,713.9**	**.2149**	**92**
2819	Industrial inorganic chemicals n.e.c.	4	3	158.2	1.4690	98
2821	Plastics materials & synthetic resins	3	3	224.7	1.6385	100
2869	Industrial organic chemicals n.e.c.	5	1	955.4	3.1679	95
3291	Abrasive products	3	3	155.2	6.3502	100
3313	Electrometallurgical products	3	3	110.6	9.8364	100
3624	Carbon & graphite products	3	3	136.1	13.9977	100
3714	Motor-vehicle parts & accessories	3	1	606.1	1.9222	98
3728	Aircraft equipment n.e.c.	1	1	249.3	3.3943	100
Oneida	**282 All mfg.**	**137**	**42**	**1,609.9**	**.0932**	**83**
3357	Nonferrous-wire drawing & insulating	2	2	191.5	2.0517	100
3546	Power-driven hand tools	1	1	50.8	5.0785	100
3662	Radio & TV communication equipment	2	1	106.6	.4534	98
3724	Aircraft engines & engine parts	1	1	122.6	1.1323	100
3914	Silverware & plated & stainless ware	3	2	83.5	17.2771	98
Onondaga	**269 All mfg.**	**266**	**85**	**3,095.1**	**.1791**	**80**
2051	Bread, cake, & related products	8	4	61.7	.5500	90
2812	Alkalies & chlorine	3	2	122.0	5.7979	97
2844	Toilet preparations	1	1	240.5	2.6068	100
3262	Vitreous china food utensils	1	1	37.2	14.3685	100
3312	Blast furnaces & steel mills	1	1	246.3	.4871	100
3585	Refrigeration & heating equipment	1	1	208.6	1.2051	100
3714	Motor-vehicle parts & accessories	3	3	231.2	.7332	100
Ontario	**234 All mfg.**	**56**	**18**	**373.7**	**.0216**	**66**
Orange	**189 All mfg.**	**140**	**49**	**1,154.0**	**.0668**	**76**
2844	Toilet preparations	4	4	162.9	1.7657	100
Orleans	**234 All mfg.**	**18**	**5**	**162.1**	**.0094**	**83**
3944	Games, toys, & children's vehicles	1	1	54.0	1.6707	100
Oswego	**269 All mfg.**	**45**	**15**	**1,131.1**	**.0655**	**93**
2066	Chocolate & cocoa products	1	1	325.5	16.7602	100
Otsego	**All mfg.**	**19**	**3**	**127.6**	**.0074**	**52**
Putnam	**194 All mfg.**	**19**	**7**	**94.5**	**.0055**	**72**
Queens	**194 All mfg.**	**882**	**242**	**5,892.4**	**.3410**	**71**
2013	Sausages & other prepared meats	8	4	161.8	1.5004	82
2051	Bread, cake, & related products	9	5	91.9	.8192	86
2067	Chewing gum	1	1	82.8	11.5032	100
2086	Bottled & canned soft drinks	7	5	166.7	1.2867	94
2253	Knit-outerwear mills	26	8	88.8	3.3582	63
2643	Bags, except textile bags	5	2	122.1	2.7966	94
2653	Corrugated & solid fiber boxes	13	4	87.6	1.0404	68
2751	Letterpress commercial printing	23	2	36.4	.6660	29
3079	Miscellaneous plastics products	27	9	118.6	.4627	60
3357	Nonferrous-wire drawing & insulating	2	1	166.2	1.7806	97
3442	Metal doors, sash, & trim	9	4	50.0	1.2919	89
3499	Fabricated metal products n.e.c.	16	3	72.5	1.7265	64
3579	Office machines n.e.c.	3	1	110.5	4.9201	93
3643	Current-carrying wiring devices	3	2	36.8	1.8312	98
3662	Radio & TV communication equipment	17	5	209.4	.8907	78
3679	Electronic components n.e.c.	13	4	43.1	.5682	71
3694	Engine electrical equipment	3	2	84.9	1.8967	98
3861	Photographic equipment & supplies	7	3	194.2	1.2714	81
3873	Watches, clocks, & watchcases	6	4	110.3	8.7394	97
3944	Games, toys, & children's vehicles	3	1	111.9	3.4620	96
3993	Signs & advertising displays	24	4	55.5	2.8438	35
3999	Manufactures n.e.c.	15	6	68.9	2.3411	71
Rensselaer	**4 All mfg.**	**63**	**23**	**625.9**	**.0362**	**81**
2321	Men's & boys' shirts & nightwear	2	2	50.6	1.3728	100
Richmond	**194 All mfg.**	**42**	**10**	**520.1**	**.0301**	**88**
2841	Soap & other detergents	1	1	216.9	2.7258	100
Rockland	**194 All mfg.**	**89**	**38**	**1,506.1**	**.0872**	**91**
2834	Pharmaceutical preparations	2	2	505.1	3.0460	100
2844	Toilet preparations	1	1	160.3	1.7375	100
St. Lawrence	**All mfg.**	**33**	**13**	**712.1**	**.0412**	**85**
3334	Primary aluminum	2	2	417.7	6.3597	100
Saratoga	**4 All mfg.**	**40**	**16**	**571.1**	**.0331**	**77**
2621	Paper mills, except building paper	4	3	135.3	.7279	97
Schenectady	**4 All mfg.**	**57**	**19**	**1,478.5**	**.0856**	**93**
3511	Turbines & turbine-generator set units	4	4	1,128.0	30.3071	100
3621	Motors & generators	1	1	50.5	.8511	100
Schoharie	**All mfg.**	**5**	**1**	**19.1**	**.0011**	**46**
Schuyler	**All mfg.**	**8**	**4**	**101.4**	**.0059**	**80**
Seneca	**All mfg.**	**16**	**8**	**229.2**	**.0133**	**93**
3561	Pumps & pumping equipment	1	1	59.2	1.7580	100
3672	Cathode-ray TV picture tubes	1	1	94.8	8.9048	100
Steuben	**All mfg.**	**36**	**17**	**764.6**	**.0443**	**89**
3229	Pressed & blown glass n.e.c.	2	2	266.0	16.3975	100
3563	Air & gas compressors	1	1	93.5	5.0388	100
Suffolk	**184 All mfg.**	**695**	**198**	**4,721.8**	**.2733**	**72**
2051	Bread, cake, & related products	2	2	69.9	.6231	100
2253	Knit-outerwear mills	11	5	37.6	1.4219	74
2711	Newspapers	13	2	133.9	.8325	88
2844	Toilet preparations	8	2	168.8	1.8297	71
3079	Miscellaneous plastics products	31	13	178.7	.6972	74
3555	Printing-trades machinery	5	4	94.4	4.1748	98
3573	Electronic computing equipment	11	5	248.3	1.0270	87
3651	Radio & TV receiving sets	7	3	91.0	1.3465	87
3662	Radio & TV communication equipment	33	18	544.0	2.3139	88
3679	Electronic components n.e.c.	33	12	136.1	1.7942	78

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
NEW YORK (Suffolk, cont.)							
3721		Aircraft	1	1	342.5	1.5001	100
3728		Aircraft equipment n.e.c.	16	4	163.2	2.2220	73
3825		Electricity-measuring instruments	8	5	78.7	2.0212	93
Sullivan		**All mfg.**	**13**	**2**	**50.3**	**.0029**	**31**
Tioga	**33**	**All mfg.**	**18**	**10**	**324.1**	**.0188**	**94**
3574		Calculating & accounting machines		1	251.0	16.1042	100
Tompkins		**All mfg.**	**22**	**7**	**341.5**	**.0198**	**91**
3568		Power-transmission equipment n.e.c.	1	1	79.4	5.9289	100
3572		Typewriters	1	1	129.9	5.0541	100
3574		Calculating & accounting machines	1	1	76.1	4.8826	100
Ulster		**All mfg.**	**79**	**20**	**493.3**	**.0286**	**70**
Warren		**All mfg.**	**39**	**13**	**464.5**	**.0269**	**82**
2816		Inorganic pigments	1	1	125.3	7.8825	100
Washington		**All mfg.**	**24**	**13**	**389.3**	**.0225**	**91**
3629		Electrical industrial apparatus n.e.c.	1	1	70.5	8.0664	100
Wayne	**234**	**All mfg.**	**41**	**22**	**595.5**	**.0345**	**85**
2033		Canned fruits & vegetables	8	7	101.5	1.3116	99
3079		Miscellaneous plastics products	2	1	89.9	.3507	98
3293		Gaskets, packing, & sealing devices	2	2	87.7	4.5183	100
Westchester	**194**	**All mfg.**	**443**	**118**	**4,070.0**	**.2356**	**78**
2721		Periodicals	6	1	249.2	3.3092	95
2834		Pharmaceutical preparations	2	2	134.5	.8111	100
3079		Miscellaneous plastics products	16	4	76.8	.2996	59
3534		Elevators & moving stairways	2	1	44.9	7.3187	98
3622		Industrial controls	4	4	48.5	1.5254	100
3678		Electronic connectors	4	2	86.3	5.2494	94
3679		Electronic components n.e.c.	13	6	42.5	.5603	72
3711		Motor vehicles & passenger-car bodies	1	1	1,024.7	1.5242	100
Wyoming		**All mfg.**	**21**	**8**	**180.7**	**.0105**	**82**
3694		Engine electrical equipment	1	1	59.5	1.3292	100
Yates		**All mfg.**	**8**	**5**	**73.2**	**.0042**	**84**
State Total		**All mfg.**	**11,310**	**2,883**	**101,051.0**	**5.8484**	**77**
NORTH CAROLINA							
Alamance	**46**	**All mfg.**	**164**	**70**	**1,658.6**	**.0960**	**82**
2211		Cotton-weaving mills	3	3	68.0	1.2966	100
2221		Synthetics- & silk-weaving mills	6	6	239.8	3.2735	100
2251		Women's full- & knee-length hosiery	19	8	66.9	6.5268	76
2252		Hosiery n.e.c.	31	15	118.6	11.6652	82
2257		Circular-knit fabric mills	6	2	144.3	4.4828	78
2281		Yarn-spinning mills, except wool	10	4	76.9	1.7409	81
3662		Radio & TV communication equipment	1	1	285.9	1.2161	100
Alexander		**All mfg.**	**26**	**10**	**172.3**	**.0100**	**81**
2512		Upholstered wood household furniture	8	4	49.3	1.5458	88
Alleghany		**All mfg.**	**5**	**4**	**60.5**	**.0035**	**99**
Anson		**All mfg.**	**22**	**10**	**135.5**	**.0078**	**74**
Ashe		**All mfg.**	**11**	**5**	**103.7**	**.0060**	**84**
Avery		**All mfg.**	**5**	**3**	**29.6**	**.0017**	**87**
Beaufort		**All mfg.**	**28**	**11**	**333.1**	**.0193**	**81**
3634		Electric housewares & fans	1	1	65.0	1.9783	100
Bertie		**All mfg.**	**16**	**8**	**148.7**	**.0086**	**81**
Bladen		**All mfg.**	**21**	**10**	**163.2**	**.0094**	**78**
Brunswick	**296**	**All mfg.**	**12**	**3**	**182.1**	**.0105**	**78**
Buncombe	**17**	**All mfg.**	**121**	**50**	**1,074.8**	**.0622**	**81**
2231		Wool-fabric weaving & finishing mills	2	1	25.9	3.8399	98
3613		Switchgear & switchboard apparatus	4	4	102.2	2.1940	100
Burke		**All mfg.**	**69**	**35**	**784.1**	**.0454**	**87**
2251		Women's full- & knee-length hosiery	5	3	37.7	3.6780	93
2253		Knit-outerwear mills	2	2	41.4	1.5656	100
2257		Circular-knit fabric mills	1	1	128.3	3.9857	100
2511		Wood household furniture	4	4	86.5	1.8497	100
Cabarrus	**131**	**All mfg.**	**44**	**22**	**387.8**	**.0224**	**82**
2211		Cotton-weaving mills	5	5	120.0	2.2882	100
2251		Women's full- & knee-length hosiery	11	8	52.8	5.1512	94
2261		Cotton-finishing plants	3	3	83.6	8.3508	100
Caldwell		**All mfg.**	**66**	**33**	**547.8**	**.0317**	**84**
2511		Wood household furniture	16	15	252.9	5.4079	99
2512		Upholstered wood household furniture	9	3	50.8	1.5928	78
Carteret		**All mfg.**	**21**	**7**	**134.9**	**.0078**	**64**
Caswell		**All mfg.**	**6**	**3**	**53.3**	**.0031**	**93**
Catawba		**All mfg.**	**293**	**100**	**1,641.7**	**.0950**	**76**
2251		Women's full- & knee-length hosiery	12	4	43.3	4.2244	78
2252		Hosiery n.e.c.	46	6	91.7	9.0194	42
2257		Circular-knit fabric mills	4	3	145.5	4.5200	97
2281		Yarn-spinning mills, except wool	7	6	64.7	1.4647	97
2381		Fabric dress & work gloves	6	4	34.8	8.6417	90
2511		Wood household furniture	16	9	148.0	3.1648	90
2512		Upholstered wood household furniture	74	30	309.7	9.7106	75
3612		Transformers	1	1	44.6	1.4962	100
Chatham		**All mfg.**	**33**	**20**	**333.5**	**.0193**	**78**
2281		Yarn-spinning mills, except wool	4	4	56.8	1.2859	100
2341		Women's & children's underwear	2	2	33.1	1.4545	100
Cherokee		**All mfg.**	**15**	**8**	**187.6**	**.0109**	**83**
Chowan		**All mfg.**	**10**	**7**	**59.8**	**.0035**	**89**
Clay		**All mfg.**	**5**	**2**	**28.6**	**.0017**	**47**
Cleveland		**All mfg.**	**80**	**38**	**1,205.3**	**.0698**	**89**
2221		Synthetics- & silk-weaving mills	6	6	247.4	3.3773	100
2253		Knit-outerwear mills	4	3	38.8	1.4673	97
2281		Yarn-spinning mills, except wool	8	6	77.8	1.7613	93
2824		Noncellulosic synthetic organic fibers	1	1	273.2	3.2148	100
3229		Pressed & blown glass n.e.c.	1	1	40.0	2.4658	100
Columbus		**All mfg.**	**31**	**11**	**444.3**	**.0257**	**84**
2631		Paperboard mills	1	1	292.9	2.7932	100
Craven		**All mfg.**	**34**	**9**	**246.4**	**.0143**	**62**
Cumberland	**88**	**All mfg.**	**56**	**19**	**662.6**	**.0383**	**73**
3011		Tires & inner tubes	1	1	171.6	1.6781	100
Currituck	**195**	**All mfg.**	**2**		**9.3**	**.0005**	**0**
Dare		**All mfg.**	**1**		**1.3**	**.0001**	**0**
Davidson	**106**	**All mfg.**	**109**	**49**	**946.7**	**.0548**	**86**
2252		Hosiery n.e.c.	12	5	40.9	4.0228	69
2281		Yarn-spinning mills, except wool	3	3	59.0	1.3357	100
2321		Men's & boys' shirts & nightwear	4	3	42.3	1.1476	95
2511		Wood household furniture	12	10	224.2	4.7942	99
3229		Pressed & blown glass n.e.c.	1	1	43.8	2.7000	100
Davie		**All mfg.**	**21**	**11**	**226.4**	**.0131**	**90**
Duplin		**All mfg.**	**30**	**14**	**442.0**	**.0256**	**72**
2261		Cotton-finishing plants	1	1	21.2	2.1177	100
Durham	**225**	**All mfg.**	**73**	**24**	**1,927.0**	**.1115**	**92**
2111		Cigarettes	2	2	1,054.7	10.4572	100
2211		Cotton-weaving mills	1	1	32.2	.6140	100
3574		Calculating & accounting machines	1	1	228.3	14.6478	100
3861		Photographic equipment & supplies	1	1	182.0	1.1915	100
Edgecombe		**All mfg.**	**57**	**27**	**852.1**	**.0493**	**76**
2257		Circular-knit fabric mills	5	2	143.7	4.4641	84
Forsythe	**106**	**All mfg.**	**134**	**62**	**5,400.0**	**.3125**	**96**
2111		Cigarettes	1	1	2,812.6	27.8865	100
2131		Chewing & smoking tobacco & snuff	3	3	180.2	32.9494	100
2251		Women's full- & knee-length hosiery	3	3	100.1	9.7659	100
2322		Men's & boys' underwear	1	1	39.5	7.5918	100
2511		Wood household furniture	5	3	37.3	.7976	92
3353		Aluminum sheet, plate, & foil	1	1	350.4	4.1583	100
3498		Fabricated pipe & fittings	1	1	85.2	4.0006	100
3661		Telephone & telegraph apparatus	2	2	686.8	5.4023	100
Franklin		**All mfg.**	**22**	**7**	**150.6**	**.0087**	**43**
Gaston	**53**	**All mfg.**	**247**	**112**	**2,366.0**	**.1369**	**84**
2257		Circular-knit fabric mills	10	3	143.0	4.4424	61
2269		Textile-finishing plants n.e.c.	6	4	78.2	8.3085	91
2281		Yarn-spinning mills, except wool	50	45	635.9	14.3960	98
2284		Thread mills	4	3	82.4	13.1336	96
2296		Tire cord & fabric	1	1	146.4	11.7242	100
3552		Textile machinery	37	5	101.9	6.2719	48
3599		Machinery, except electrical, n.e.c.	10	2	138.8	1.2621	86

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	1980 (S&MM Est.): Total Shipments ($Mil.)	1980 (S&MM Est.): % Of U.S. Shipments	1980 (S&MM Est.): % In Large Plants
Gates		**All mfg.**	**3**		**7.7**	**.0004**	**0**
Graham		**All mfg.**	**4**	**4**	**27.3**	**.0016**	**100**
Granville		**All mfg.**	**30**	**17**	**469.1**	**.0271**	**91**
Greene		**All mfg.**	**10**	**3**	**34.0**	**.0020**	**37**
Guilford	**106**	**All mfg.**	**438**	**155**	**4,105.8**	**.2376**	**79**
2111		Cigarettes	1	1	468.8	4.6481	100
2211		Cotton-weaving mills	3	2	65.7	1.2528	98
2251		Women's full- & knee-length hosiery	9	6	40.9	3.9902	91
2252		Hosiery n.e.c.	8	6	54.5	5.3605	96
2261		Cotton-finishing plants	1	1	37.0	3.6959	100
2262		Synthetics- & silk-finishing plants	4	3	226.8	8.7595	98
2297		Nonwoven fabrics	1	1	196.8	20.4446	100
2339		Women's & misses' outerwear n.e.c.	5	5	56.2	1.4012	100
2341		Women's & children's underwear	4	4	50.2	2.2059	100
2511		Wood household furniture	11	6	59.9	1.2809	82
2512		Upholstered wood household furniture	52	16	180.6	5.6627	72
2521		Wood office furniture	3	3	61.1	8.5550	100
3079		Miscellaneous plastics products	18	5	123.2	.4806	66
3662		Radio & TV communication equipment	1	1	151.5	.6444	100
Halifax		**All mfg.**	**35**	**17**	**536.4**	**.0310**	**85**
2211		Cotton-weaving mills	2	2	40.3	.7685	100
2221		Synthetics- & silk-weaving mills	1	1	141.0	1.9248	100
Harnett		**All mfg.**	**28**	**15**	**249.9**	**.0145**	**80**
2211		Cotton-weaving mills	1	1	32.2	.6140	100
Haywood		**All mfg.**	**18**	**7**	**744.9**	**.0431**	**96**
2611		Pulp mills	1	1	247.2	8.0970	100
2621		Paper mills, except building paper	1	1	315.6	1.6978	100
3041		Rubber & plastic hose & belting	1	1	92.7	5.9203	100
Henderson		**All mfg.**	**43**	**14**	**260.7**	**.0151**	**73**
3648		Lighting equipment n.e.c.	1	1	40.7	4.8591	100
Hertford		**All mfg.**	**16**	**10**	**186.3**	**.0108**	**89**
Hoke		**All mfg.**	**7**	**4**	**120.5**	**.0070**	**90**
Hyde		**All mfg.**	**3**		**9.0**	**.0005**	**0**
Iredell		**All mfg.**	**97**	**42**	**928.5**	**.0537**	**84**
2211		Cotton-weaving mills	1	1	32.2	.6140	100
2221		Synthetics- & silk-weaving mills	3	3	130.9	1.7862	100
2281		Yarn-spinning mills, except wool	5	5	60.3	1.3651	100
2328		Men's & boys' work clothing	1	1	95.4	2.0116	100
Jackson		**All mfg.**	**6**	**2**	**43.2**	**.0025**	**68**
Johnston		**All mfg.**	**46**	**19**	**604.7**	**.0350**	**81**
3651		Radio & TV receiving sets	1	1	120.1	1.7770	100
Jones		**All mfg.**	**2**		**4.5**	**.0003**	**0**
Lee		**All mfg.**	**49**	**25**	**480.2**	**.0278**	**84**
3714		Motor-vehicle parts & accessories	3	3	81.1	.2572	100
Lenoir		**All mfg.**	**35**	**14**	**699.6**	**.0405**	**87**
2321		Men's & boys' shirts & nightwear	3	3	52.2	1.4162	100
2824		Noncellulosic synthetic organic fibers	1	1	310.4	3.6526	100
Lincoln		**All mfg.**	**39**	**15**	**400.9**	**.0232**	**77**
McDowell		**All mfg.**	**32**	**15**	**444.6**	**.0257**	**91**
2221		Synthetics- & silk-weaving mills	2	2	112.8	1.5398	100
2281		Yarn-spinning mills, except wool	2	2	55.2	1.2497	100
2511		Wood household furniture	3	3	43.0	.9195	100
Macon		**All mfg.**	**7**	**3**	**79.2**	**.0046**	**90**
Madison	**17**	**All mfg.**	**7**	**4**	**25.5**	**.0015**	**77**
Martin		**All mfg.**	**15**	**7**	**143.4**	**.0083**	**79**
Mecklenburg	**53**	**All mfg.**	**387**	**117**	**3,662.2**	**.2120**	**76**
2051		Bread, cake, & related products	4	3	72.6	.6471	92
2052		Cookies & crackers	3	2	93.0	2.7350	97
2865		Cyclic crudes & intermediates	5	2	250.6	3.6953	85
2951		Paving mixtures & blocks	1	1	113.0	4.1194	100
3079		Miscellaneous plastics products	14	5	131.5	.5130	78
3511		Turbines & turbine-generator set units	1	1	168.7	4.5326	100
3552		Textile machinery	22	6	92.7	5.7057	67
Mitchell		**All mfg.**	**11**	**4**	**81.6**	**.0047**	**82**
Montgomery		**All mfg.**	**39**	**20**	**272.0**	**.0157**	**81**
2252		Hosiery n.e.c.	12	4	62.2	6.1178	84
2341		Women's & children's underwear	3	3	47.1	2.0697	100
Moore		**All mfg.**	**36**	**14**	**322.2**	**.0186**	**79**
Nash		**All mfg.**	**65**	**24**	**694.6**	**.0402**	**80**
2834		Pharmaceutical preparations	1	1	220.2	1.3279	100
New Hanover	**296**	**All mfg.**	**64**	**26**	**1,078.7**	**.0624**	**81**
2824		Noncellulosic synthetic organic fibers	1	1	248.3	2.9218	100
3443		Fabricated plate work (boiler shops)	2	2	127.2	1.4386	100
Northampton		**All mfg.**	**20**	**6**	**123.6**	**.0072**	**61**
Onslow		**All mfg.**	**13**	**8**	**272.9**	**.0158**	**76**
Orange	**225**	**All mfg.**	**13**	**6**	**76.2**	**.0044**	**83**
Pamlico		**All mfg.**	**8**		**31.0**	**.0018**	**0**
Pasquotank		**All mfg.**	**18**	**6**	**147.6**	**.0085**	**73**
Pender		**All mfg.**	**6**	**2**	**21.8**	**.0013**	**74**
Perquimans		**All mfg.**	**2**	**2**	**12.7**	**.0007**	**100**
Person		**All mfg.**	**13**	**6**	**168.0**	**.0097**	**86**
2231		Wool-fabric weaving & finishing mills	1	1	18.2	2.6983	100
Pitt		**All mfg.**	**49**	**19**	**664.0**	**.0384**	**81**
2141		Tobacco stemming & redrying	5	3	198.4	6.8435	94
Polk		**All mfg.**	**9**	**3**	**57.5**	**.0033**	**73**
Randolph	**106**	**All mfg.**	**106**	**47**	**1,132.2**	**.0655**	**84**
2221		Synthetics- & silk-weaving mills	3	3	312.1	4.2605	100
2251		Women's full- & knee-length hosiery	19	10	91.8	8.9561	86
2322		Men's & boys' underwear	1	1	39.5	7.5918	100
2511		Wood household furniture	5	4	41.4	.8853	97
Richmond		**All mfg.**	**38**	**16**	**466.7**	**.0270**	**85**
2221		Synthetics- & silk-weaving mills	3	3	155.6	2.1241	100
Robeson		**All mfg.**	**68**	**30**	**562.6**	**.0326**	**77**
2281		Yarn-spinning mills, except wool	4	4	58.3	1.3198	100
2321		Men's & boys' shirts & nightwear	5	4	35.0	.9496	94
3021		Rubber & plastic footwear	1	1	26.2	4.4467	100
Rockingham		**All mfg.**	**51**	**33**	**1,527.2**	**.0884**	**97**
2082		Malt beverages	1	1	328.4	3.8004	100
2111		Cigarettes	1	1	468.8	4.6481	100
2211		Cotton-weaving mills	5	5	78.0	1.4873	100
2254		Knit-underwear mills	1	1	28.4	3.8947	100
2271		Woven carpets & rugs	1	1	26.3	13.5427	100
2281		Yarn-spinning mills, except wool	5	5	131.6	2.9793	100
2282		Throwing & winding mills, except wool	5	5	203.4	9.3376	100
Rowan	**131**	**All mfg.**	**77**	**35**	**948.4**	**.0549**	**85**
2211		Cotton-weaving mills	4	3	58.1	1.1079	97
2281		Yarn-spinning mills, except wool	4	4	97.4	2.2050	100
2824		Noncellulosic synthetic organic fibers	1	1	273.2	3.2148	100
Rutherford		**All mfg.**	**47**	**28**	**693.0**	**.0401**	**90**
2211		Cotton-weaving mills	8	8	149.4	2.8488	100
2221		Synthetics- & silk-weaving mills	2	2	151.1	2.0627	100
Sampson		**All mfg.**	**30**	**12**	**363.8**	**.0211**	**87**
Scotland		**All mfg.**	**24**	**13**	**307.9**	**.0178**	**86**
Stanly		**All mfg.**	**44**	**21**	**556.6**	**.0322**	**84**
2251		Women's full- & knee-length hosiery	2	2	63.0	6.1463	100
Stokes	**106**	**All mfg.**	**5**	**1**	**21.4**	**.0012**	**61**
Surry		**All mfg.**	**57**	**32**	**590.4**	**.0342**	**91**
2231		Wool-fabric weaving & finishing mills	1	1	49.2	7.2943	100
2252		Hosiery n.e.c.	9	5	91.3	8.9800	91
2253		Knit-outerwear mills	4	3	86.3	3.2636	99
2339		Women's & misses' outerwear n.e.c.	3	3	56.2	1.4012	100
2511		Wood household furniture	4	3	42.3	.9045	97
3634		Electric housewares & fans	2	2	82.8	2.5201	100
Swain		**All mfg.**	**8**	**5**	**63.1**	**.0037**	**89**
Transylvania		**All mfg.**	**8**	**5**	**375.4**	**.0217**	**99**
2621		Paper mills, except building paper	1	1	197.4	1.0619	100
Tyrrell		**All mfg.**	**3**		**15.2**	**.0009**	**0**
Union	**53**	**All mfg.**	**55**	**30**	**477.0**	**.0276**	**86**
Vance		**All mfg.**	**30**	**14**	**373.7**	**.0216**	**87**
2281		Yarn-spinning mills, except wool	4	4	150.6	3.4094	100
Wake	**225**	**All mfg.**	**131**	**56**	**1,620.2**	**.0938**	**80**
3661		Telephone & telegraph apparatus	1	1	117.2	.9219	100
3825		Electricity-measuring instruments	1	1	65.5	1.6822	100
Warren		**All mfg.**	**10**	**5**	**64.9**	**.0038**	**74**
Washington		**All mfg.**	**8**	**5**	**490.0**	**.0284**	**96**
2631		Paperboard mills	1	1	418.5	3.9910	100
Watauga		**All mfg.**	**12**	**6**	**101.1**	**.0059**	**88**
Wayne		**All mfg.**	**55**	**24**	**534.7**	**.0309**	**78**
Wilkes		**All mfg.**	**35**	**15**	**526.3**	**.0305**	**90**
2016		Poultry-dressing plants	1	1	242.3	3.3857	100
2251		Women's full- & knee-length hosiery	2	1	29.0	2.8293	97
Wilson		**All mfg.**	**53**	**23**	**1,077.8**	**.0624**	**89**
2141		Tobacco stemming & redrying	5	4	397.8	13.7215	98
3011		Tires & inner tubes	1	1	171.6	1.6781	100

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
NORTH CAROLINA (cont.)							
Yadkin	**106**	**All mfg.**	**7**	**4**	**68.3**	**.0040**	**84**
Yancey		**All mfg.**	**8**	**5**	**51.9**	**.0030**	**87**
State Total		**All mfg.**	**4,583**	**1,924**	**54,403.5**	**3.1486**	**84**
NORTH DAKOTA							
Adams		**All mfg.**	**1**		**6.0**	**.0003**	**0**
Barnes		**All mfg.**	**1**		**1.3**	**.0001**	**0**
Benson		**All mfg.**	**2**	**1**	**6.0**	**.0003**	**75**
Bottineau		**All mfg.**	**2**		**6.7**	**.0004**	**0**
Burleigh	**35**	**All mfg.**	**18**	**3**	**102.6**	**.0059**	**30**
Cass	**86**	**All mfg.**	**32**	**5**	**176.3**	**.0102**	**27**
Eddy		**All mfg.**	**1**		**4.2**	**.0002**	**0**
Foster		**All mfg.**	**2**		**5.8**	**.0003**	**0**
Grand Forks	**101**	**All mfg.**	**14**	**6**	**114.1**	**.0066**	**66**
Griggs		**All mfg.**	**2**	**1**	**15.8**	**.0009**	**82**
Hettinger		**All mfg.**	**1**		**5.2**	**.0003**	**0**
McHenry		**All mfg.**	**1**		**12.4**	**.0007**	**0**
McIntosh		**All mfg.**	**2**		**9.1**	**.0005**	**0**
Morton	**35**	**All mfg.**	**9**	**1**	**386.5**	**.0224**	**90**
Mountrail		**All mfg.**	**1**		**2.6**	**.0002**	**0**
Pembina		**All mfg.**	**3**		**10.2**	**.0006**	**0**
Pierce		**All mfg.**	**1**		**4.3**	**.0002**	**0**
Ramsey		**All mfg.**	**2**		**5.1**	**.0003**	**0**
Ransom		**All mfg.**	**1**		**21.7**	**.0013**	**0**
Richland		**All mfg.**	**13**	**2**	**73.2**	**.0042**	**52**
Rolette		**All mfg.**	**2**	**1**	**19.5**	**.0011**	**88**
Sargent		**All mfg.**	**2**	**1**	**52.3**	**.0030**	**87**
Sioux		**All mfg.**	**1**		**1.3**	**.0001**	**0**
Stark		**All mfg.**	**7**	**1**	**81.3**	**.0047**	**35**
Stutsman		**All mfg.**	**8**	**3**	**51.9**	**.0030**	**57**
Traill		**All mfg.**	**2**	**2**	**32.9**	**.0019**	**100**
Walsh		**All mfg.**	**1**		**1.5**	**.0001**	**0**
Ward		**All mfg.**	**7**		**35.9**	**.0021**	**0**
Williams		**All mfg.**	**6**		**119.1**	**.0069**	**0**
State Total		**All mfg.**	**145**	**27**	**1,364.8**	**.0790**	**52**
OHIO							
Adams		**All mfg.**	**4**	**3**	**74.4**	**.0043**	**98**
Allen	**151**	**All mfg.**	**98**	**39**	**2,369.4**	**.1371**	**87**
3531		Construction machinery	1	1	169.7	1.0444	100
3621		Motors & generators	3	3	66.7	1.1241	100
3713		Truck & bus bodies	1	1	48.0	1.5980	100
3714		Motor-vehicle parts & accessories	6	5	407.3	1.2917	98
Ashland		**All mfg.**	**41**	**19**	**677.0**	**.0392**	**91**
3069		Fabricated rubber products n.e.c.	8	7	96.2	2.0919	99
3561		Pumps & pumping equipment	3	3	71.3	2.1173	100
3711		Motor vehicles & passenger-car bodies	1	1	301.4	.4483	100
Ashtabula		**All mfg.**	**107**	**38**	**1,005.7**	**.0582**	**79**
3079		Miscellaneous plastics products	16	7	174.5	.6808	87
Athens		**All mfg.**	**16**	**4**	**73.3**	**.0042**	**45**
Auglaize	**151**	**All mfg.**	**40**	**15**	**429.8**	**.0249**	**81**
3069		Fabricated rubber products n.e.c.	2	2	55.1	1.1982	100
Belmont	**291**	**All mfg.**	**33**	**16**	**349.5**	**.0202**	**85**
3471		Plating & polishing	2	2	37.3	1.7476	100
Brown		**All mfg.**	**6**	**1**	**26.6**	**.0015**	**40**
Butler	**109**	**All mfg.**	**140**	**50**	**2,589.0**	**.1498**	**92**
2621		Paper mills, except building paper	5	5	439.6	2.3649	100
3312		Blast furnaces & steel mills	2	2	521.8	1.0320	100
3316		Cold-rolled steel sheet, strip, & bars	1	1	93.5	2.8632	100
3465		Automotive stampings	1	1	412.3	3.3514	100
3499		Fabricated metal products n.e.c.	7	3	106.8	2.5433	91
3533		Oil-field machinery	1	1	157.5	3.2489	100
Carroll	**48**	**All mfg.**	**12**	**4**	**66.3**	**.0038**	**55**
Champaign	**266**	**All mfg.**	**22**	**9**	**288.0**	**.0167**	**84**
Clark	**266**	**All mfg.**	**110**	**33**	**788.7**	**.0456**	**74**
3621		Motors & generators	1	1	50.5	.8511	100
3713		Truck & bus bodies	1	1	120.0	3.9951	100
Clermont	**57**	**All mfg.**	**32**	**9**	**194.2**	**.0112**	**72**
3559		Special-industry machinery n.e.c.	1	1	84.9	1.3415	100
Clinton		**All mfg.**	**30**	**8**	**164.6**	**.0095**	**65**
Columbiana		**All mfg.**	**97**	**27**	**666.9**	**.0386**	**71**
3559		Special-industry machinery n.e.c.	5	3	114.3	1.8060	93
Coshocton		**All mfg.**	**25**	**10**	**330.7**	**.0191**	**84**
Crawford		**All mfg.**	**57**	**19**	**628.3**	**.0364**	**85**
3531		Construction machinery	8	6	218.0	1.3417	94
3562		Ball & roller bearings	1	1	43.2	1.9291	100
3713		Truck & bus bodies	2	2	48.5	1.6147	100
Cuyahoga	**59**	**All mfg.**	**1,906**	**498**	**17,713.7**	**1.0252**	**77**
2026		Fluid milk	7	6	184.9	1.0990	95
2038		Frozen food specialties	2	2	185.6	4.3703	100
2051		Bread, cake, & related products	10	6	121.9	1.0866	92
2086		Bottled & canned soft drinks	6	4	112.2	.8660	96
2311		Men's & boys' suits & coats	3	3	93.6	2.5801	100
2396		Automotive & apparel trimmings	2	1	208.0	7.9578	98
2542		Metal partitions & fixtures	8	4	81.3	5.3763	90
2653		Corrugated & solid fiber boxes	15	6	105.5	1.2530	63
2711		Newspapers	12	7	209.7	1.3038	96
2751		Letterpress commercial printing	32	4	50.1	.9166	36
2752		Lithographic commercial printing	40	3	182.7	1.5519	26
2771		Greeting-card publishing	2	2	162.6	11.7367	100
2819		Industrial inorganic chemicals n.e.c.	9	6	316.7	2.9408	92
2851		Paints & allied products	23	7	324.6	3.8288	74
2891		Adhesives & sealants	8	2	183.3	6.9951	82
2899		Chemical preparations n.e.c.	25	5	191.4	3.5897	61
2952		Asphalt felts & coatings	11	3	198.0	5.2972	73
3069		Fabricated rubber products n.e.c.	11	2	44.5	.9677	64
3079		Miscellaneous plastics products	49	12	266.4	1.0393	66
3229		Pressed & blown glass n.e.c.	2	2	36.8	2.2685	100
3269		Pottery products n.e.c.	3	1	35.9	9.6376	93
3312		Blast furnaces & steel mills	6	2	1,347.9	2.6658	98
3316		Cold-rolled steel sheet, strip, & bars	4	3	217.9	6.6726	99
3317		Steel pipe & tubes	4	4	149.0	4.6557	100
3321		Gray-iron foundries	8	4	388.7	4.7678	97
3351		Copper rolling & drawing	5	4	214.3	3.7909	92
3356		Nonferrous rolling & drawing n.e.c.	8	4	168.1	4.6770	81
3361		Aluminum foundries	18	9	125.7	3.6787	79
3429		Hardware n.e.c.	14	5	95.1	1.5105	68
3433		Heating equipment, except electric	9	3	44.2	2.4019	80
3441		Fabricated structural metal	31	10	93.5	1.5172	67
3444		Sheet-metal work	22	3	58.7	1.0182	37
3449		Miscellaneous metal work	14	3	54.7	3.6087	46
3451		Screw-machine products	33	3	72.4	3.4384	37
3452		Bolts, nuts, rivets, & washers	30	15	218.7	5.5647	81
3462		Iron & steel forgings	24	7	131.8	3.7918	61
3463		Nonferrous forgings	2	1	109.6	18.6967	99
3465		Automotive stampings	5	3	476.0	3.8692	99
3469		Metal stampings n.e.c.	40	13	155.5	2.7614	66
3471		Plating & polishing	38		48.0	2.2490	0
3489		Ordnance & accessories n.e.c.	1	1	73.1	8.9135	100
3494		Valves & pipe fittings	17	3	78.9	1.1411	47
3496		Miscellaneous fabricated wire products	14	4	41.4	2.2949	74
3499		Fabricated metal products n.e.c.	40	6	175.2	4.1722	54
3524		Lawn & garden equipment	2	2	75.1	4.4174	100
3531		Construction machinery	12	7	252.4	1.5534	91
3536		Hoists, industrial cranes, & monorails	11	5	42.5	3.8742	73
3537		Industrial trucks & tractors	11	5	177.2	7.0959	90
3541		Metal-cutting machine tools	29	10	183.3	7.7633	88
3542		Metal-forming machine tools	12	3	37.6	4.0369	72
3544		Special dies, tools, jigs, & fixtures	75	7	113.0	3.6607	42
3545		Machine-tool accessories	19	6	119.5	6.1032	88
3559		Special-industry machinery n.e.c.	26	10	238.5	3.7685	84
3564		Blowers & exhaust & ventilation fans	9	4	38.3	3.0404	79
3569		General industrial machinery n.e.c.	12	5	46.4	2.1286	79

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employées. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
		Total Plants	Large Plants			
3599	Machinery, except electrical, n.e.c.	72	3	181.5	1.6504	13
3621	Motors & generators	10	6	199.5	3.3622	96
3622	Industrial controls	12	5	63.3	1.9909	79
3623	Electric welding apparatus	6	2	170.9	10.8343	93
3641	Electric lamps	3	3	116.3	5.7285	100
3645	Residential electric lighting fixtures	11	5	60.6	5.2219	82
3662	Radio & TV communication equipment	14	6	160.3	.6818	82
3692	Dry & wet primary batteries	2	1	72.0	8.8073	97
3711	Motor vehicles & passenger-car bodies	1	1	723.3	1.0759	100
3714	Motor-vehicle parts & accessories	48	32	1,819.2	5.7695	97
3728	Aircraft equipment n.e.c.	8	2	79.1	1.0770	88
3829	Measuring & controlling devices n.e.c.	8	4	44.8	2.6564	87
3841	Surgical & medical instruments	4	1	60.4	2.3443	87
3842	Surgical appliances & supplies	7	1	125.9	3.3495	85
3991	Brooms & brushes	13	2	47.5	6.1188	56
Darke	**All mfg.**	**41**	**9**	**285.6**	**.0165**	**62**
3714	Motor-vehicle parts & accessories	1	1	82.1	.2604	100
Defiance	**All mfg.**	**23**	**11**	**519.5**	**.0301**	**92**
3321	Gray-iron foundries	1	1	269.9	3.3106	100
Delaware	**64 All mfg.**	**35**	**13**	**381.4**	**.0221**	**84**
Erie	**All mfg.**	**73**	**30**	**912.5**	**.0528**	**86**
3562	Ball & roller bearings	1	1	84.8	3.7867	100
3714	Motor-vehicle parts & accessories	1	1	149.2	.4732	100
Fairfield	**64 All mfg.**	**52**	**27**	**582.9**	**.0337**	**88**
3229	Pressed & blown glass n.e.c.	3	3	127.4	7.8535	100
3567	Industrial-process furnaces & ovens	1	1	29.1	4.5165	100
Fayette	**All mfg.**	**23**	**9**	**275.0**	**.0159**	**82**
Franklin	**64 All mfg.**	**517**	**148**	**5,929.2**	**.3432**	**81**
2026	Fluid milk	7	4	181.1	1.0764	83
2051	Bread, cake, & related products	12	4	102.6	.9145	80
2295	Coated fabrics, not rubberized	1	1	101.9	7.8174	100
2721	Periodicals	8	3	139.1	1.8472	88
3079	Miscellaneous plastics products	22	8	192.9	.7526	84
3429	Hardware n.e.c.	1	1	256.8	4.0789	100
3444	Sheet-metal work	13	4	76.9	1.3339	83
3532	Mining machinery	1	1	112.5	4.0667	100
3562	Ball & roller bearings	1	1	53.9	2.4069	100
3568	Power-transmission equipment n.e.c.	4	2	54.5	4.0696	96
3585	Refrigeration & heating equipment	7	5	356.1	2.0572	98
3621	Motors & generators	1	1	75.8	1.2775	100
3632	Household refrigerators & freezers	2	1	219.9	7.4381	99
3661	Telephone & telegraph apparatus	2	1	541.1	4.2562	99
3714	Motor-vehicle parts & accessories	6	4	115.7	.3669	95
3728	Aircraft equipment n.e.c.	1	1	93.5	1.2730	100
Fulton	**275 All mfg.**	**59**	**21**	**531.5**	**.0308**	**75**
2511	Wood household furniture	5	3	46.4	.9922	91
Gallia	**All mfg.**	**9**	**4**	**111.9**	**.0065**	**73**
Geauga	**59 All mfg.**	**46**	**10**	**222.8**	**.0129**	**59**
3069	Fabricated rubber products n.e.c.	8	5	85.4	1.8571	95
Greene	**70 All mfg.**	**39**	**11**	**301.5**	**.0174**	**77**
Guernsey	**All mfg.**	**34**	**12**	**408.8**	**.0237**	**85**
3573	Electronic computing equipment	1	1	203.4	.8413	100
Hamilton	**57 All mfg.**	**906**	**284**	**14,803.3**	**.8568**	**88**
2011	Meat-packing plants	7	1	341.1	.8792	80
2026	Fluid milk	8	5	203.3	1.2084	89
2051	Bread, cake, & related products	10	7	144.3	1.2862	96
2052	Cookies & crackers	2	1	109.3	3.2143	98
2079	Shortening & cooking oils n.e.c.	2	2	550.1	10.5598	100
2085	Distilled liquor, except brandy	2	1	200.1	6.7780	98
2086	Bottled & canned soft drinks	6	4	177.5	1.3700	95
2099	Food preparations n.e.c.	8	3	122.0	1.5153	77
2311	Men's & boys' suits & coats	8	5	51.6	1.4224	94
2651	Folding paperboard boxes	7	3	102.5	3.5871	93
2653	Corrugated & solid fiber boxes	9	6	84.0	.9977	94
2711	Newspapers	9	4	123.8	.7697	93
2741	Miscellaneous publishing	6	3	71.9	3.1729	89
2751	Letterpress commercial printing	29	5	43.9	.8032	46
2752	Lithographic commercial printing	31	6	305.0	2.5908	68
2771	Greeting-card publishing	2	1	122.1	8.8133	99
2819	Industrial inorganic chemicals n.e.c.	6	4	150.1	1.3938	90
2834	Pharmaceutical preparations	4	3	240.3	1.4491	98
2841	Soap & other detergents	7	3	1,649.4	20.7284	98
2844	Toilet preparations	3	3	367.4	3.9824	100

1980 (S&MM Est.)

County SIC	Metro Area Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
		Total Plants	Large Plants			
2865	Cyclic crudes & intermediates	4	2	330.3	4.8706	93
2869	Industrial organic chemicals n.e.c.	5	2	323.8	1.0737	89
3079	Miscellaneous plastics products	26	9	238.8	.9316	82
3144	Women's nonathletic footwear	3	3	62.1	3.7103	100
3292	Asbestos products	3	1	59.8	4.5520	95
3341	Secondary nonferrous metals	4	1	234.9	4.7365	85
3411	Metal cans	3	3	269.0	3.1602	100
3441	Fabricated structural metal	16	3	46.3	.7513	52
3444	Sheet-metal work	23	3	70.8	1.2281	49
3469	Metal stampings n.e.c.	12	3	53.4	.9483	69
3494	Valves & pipe fittings	7	4	259.1	3.7471	95
3496	Miscellaneous fabricated wire products	5	2	49.2	2.7273	96
3499	Fabricated metal products n.e.c.	9	5	60.2	1.4336	86
3541	Metal-cutting machine tools	21	11	257.9	10.9229	95
3542	Metal-forming machine tools	2	2	31.6	3.3927	100
3544	Special dies, tools, jigs, & fixtures	28	3	34.5	1.1177	39
3561	Pumps & pumping equipment	6	2	73.2	2.1737	84
3563	Air & gas compressors	2	2	79.8	4.3005	100
3621	Motors & generators	2	2	53.4	.9000	100
3634	Electric housewares & fans	1	1	65.0	1.9783	100
3643	Current-carrying wiring devices	9	3	39.8	1.9805	76
3662	Radio & TV communication equipment	2	1	105.6	.4492	98
3711	Motor vehicles & passenger-car bodies	3	2	1,116.1	1.6601	99
3714	Motor-vehicle parts & accessories	14	6	210.6	.6679	90
3724	Aircraft engines & engine parts	1	1	1,503.1	13.8820	100
3944	Games, toys, & children's vehicles	1	1	134.8	4.1705	100
Hancock	**All mfg.**	**44**	**14**	**651.5**	**.0377**	**73**
3633	Household laundry equipment	1	1	169.0	7.4502	100
3674	Semiconductors & related devices	1	1	93.6	1.2459	100
Hardin	**All mfg.**	**21**	**8**	**238.5**	**.0138**	**81**
3714	Motor-vehicle parts & accessories	2	1	86.6	.2746	95
Harrison	**All mfg.**	**7**	**1**	**36.2**	**.0021**	**65**
Henry	**All mfg.**	**24**	**7**	**409.4**	**.0237**	**87**
2032	Canned food specialties	1	1	282.0	7.9428	100
Highland	**All mfg.**	**22**	**11**	**281.9**	**.0163**	**91**
Hocking	**All mfg.**	**11**	**7**	**141.6**	**.0082**	**93**
Holmes	**All mfg.**	**31**	**8**	**162.7**	**.0094**	**57**
Huron	**All mfg.**	**53**	**22**	**662.8**	**.0384**	**82**
Jackson	**All mfg.**	**23**	**9**	**173.3**	**.0100**	**80**
Jefferson	**267 All mfg.**	**36**	**16**	**1,149.5**	**.0665**	**94**
3312	Blast furnaces & steel mills	3	3	789.9	1.5622	100
Knox	**All mfg.**	**26**	**10**	**355.5**	**.0206**	**88**
Lake	**59 All mfg.**	**234**	**59**	**2,269.9**	**.1314**	**79**
2253	Knit-outerwear mills	1	1	36.9	1.3955	100
2869	Industrial organic chemicals n.e.c.	2	1	653.8	2.1679	97
3069	Fabricated rubber products n.e.c.	8	3	80.2	1.7440	90
3451	Screw-machine products	12	3	61.8	2.9350	70
3537	Industrial trucks & tractors	3	2	139.4	5.5823	99
3823	Industrial process-control instruments	3	2	138.3	5.8520	98
Lawrence	**115 All mfg.**	**26**	**13**	**374.9**	**.0217**	**91**
3321	Gray-iron foundries	1	1	69.6	.8537	100
Licking	**186 All mfg.**	**72**	**32**	**1,093.9**	**.0633**	**89**
3296	Mineral wool	1	1	282.5	10.4124	100
3321	Gray-iron foundries	1	1	123.0	1.5087	100
3714	Motor-vehicle parts & accessories	2	2	184.3	.5845	100
Logan	**All mfg.**	**20**	**10**	**178.6**	**.0103**	**79**
Lorain	**156 All mfg.**	**169**	**60**	**5,348.4**	**.3095**	**95**
3312	Blast furnaces & steel mills	1	1	1,449.2	2.8661	100
3321	Gray-iron foundries	5	5	91.1	1.1174	100
3423	Hand & edge tools n.e.c.	1	1	53.2	1.9519	100
3621	Motors & generators	1	1	80.8	1.3617	100
3711	Motor vehicles & passenger-car bodies	2	2	2,089.5	3.1080	100
3713	Truck & bus bodies	1	1	95.9	3.1927	100
3714	Motor-vehicle parts & accessories	3	2	137.6	.4364	98
3731	Ship building & repairing	1	1	54.2	.6627	100
Lucas	**275 All mfg.**	**415**	**120**	**7,584.7**	**.4390**	**89**
2711	Newspapers	3	1	51.3	.3169	95
2911	Petroleum refining	3	3	2,612.2	1.6701	100
3079	Miscellaneous plastics products	14	4	77.1	.3008	67
3211	Flat glass	2	1	179.9	7.5303	98
3229	Pressed & blown glass n.e.c.	3	2	59.8	3.6864	99
3361	Aluminum foundries	3	3	110.1	3.2221	100
3465	Automotive stampings	8	2	209.5	1.7029	87

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
OHIO (Lucas, cont.)							
3469		Metal stampings n.e.c.	14	4	57.6	1.0229	62
3499		Fabricated metal products n.e.c.	10	2	58.4	1.3907	74
3544		Special dies, tools, jigs, & fixtures	28	4	33.7	1.0917	42
3563		Air & gas compressors	2	1	57.0	3.0718	93
3576		Scales & balances, except laboratory	1	1	127.5	21.3568	100
3694		Engine electrical equipment	2	1	144.8	3.2348	98
3711		Motor vehicles & passenger-car bodies	1	1	904.1	1.3448	100
3714		Motor-vehicle parts & accessories	8	6	535.5	1.6983	99
Madison	**64**	**All mfg.**	**17**	**6**	**153.0**	**.0089**	**72**
Mahoning	**300**	**All mfg.**	**202**	**56**	**2,139.2**	**.1238**	**82**
3312		Blast furnaces & steel mills	2	2	817.5	1.6168	100
3442		Metal doors, sash, & trim	7	4	111.9	2.8913	96
3641		Electric lamps	2	2	80.3	3.9553	100
3743		Railroad equipment	1	1	112.2	1.9189	100
Marion		**All mfg.**	**51**	**20**	**1,145.4**	**.0663**	**92**
3531		Construction machinery	1	1	362.0	2.2280	100
3585		Refrigeration & heating equipment	1	1	208.6	1.2051	100
Medina	**59**	**All mfg.**	**104**	**31**	**573.8**	**.0332**	**61**
Meigs		**All mfg.**	**8**		**17.8**	**.0010**	**0**
Mercer		**All mfg.**	**22**	**8**	**362.7**	**.0210**	**89**
3523		Farm machinery & equipment	3	2	118.8	1.0760	98
3751		Motorcycles, bicycles, & parts	1	1	119.4	9.9211	100
Miami	**70**	**All mfg.**	**91**	**27**	**1,058.5**	**.0613**	**83**
3551		Food-products machinery	2	2	257.3	8.2645	100
3621		Motors & generators	1	1	60.6	1.0213	100
3623		Electric welding apparatus	1	1	132.8	8.4189	100
3728		Aircraft equipment n.e.c.	3	2	65.6	.8932	98
Monroe		**All mfg.**	**3**	**3**	**617.5**	**.0357**	**100**
3334		Primary aluminum	1	1	326.9	4.9772	100
Montgomery	**70**	**All mfg.**	**501**	**130**	**6,854.7**	**.3967**	**89**
2621		Paper mills, except building paper	4	4	138.7	.7462	100
2711		Newspapers	6	1	61.2	.3805	84
2721		Periodicals	3	2	321.5	4.2693	99
3011		Tires & inner tubes	1	1	176.4	1.7250	100
3079		Miscellaneous plastics products	19	5	81.8	.3191	65
3321		Gray-iron foundries	5	3	76.6	.9396	95
3465		Automotive stampings	2	2	151.2	1.2290	100
3544		Special dies, tools, jigs, & fixtures	77	13	108.1	3.5020	46
3545		Machine-tool accessories	11	2	44.4	2.2676	80
3561		Pumps & pumping equipment	5	2	56.7	1.6837	87
3573		Electronic computing equipment	1	1	535.2	2.2137	100
3585		Refrigeration & heating equipment	3	3	1,119.3	6.4661	100
3599		Machinery, except electrical, n.e.c.	27	3	97.9	.8902	43
3679		Electronic components n.e.c.	8	3	37.0	.4878	79
3714		Motor-vehicle parts & accessories	6	5	1,853.7	5.8789	100
3953		Marking devices	2	1	46.0	16.4697	98
Morgan		**All mfg.**	**5**	**3**	**138.7**	**.0080**	**94**
Morrow		**All mfg.**	**9**	**5**	**105.8**	**.0061**	**84**
Muskingum		**All mfg.**	**60**	**18**	**559.2**	**.0324**	**76**
3229		Pressed & blown glass n.e.c.	1	1	25.0	1.5411	100
3694		Engine electrical equipment	1	1	89.1	1.9905	100
Noble		**All mfg.**	**3**	**1**	**39.1**	**.0023**	**32**
Ottawa	**275**	**All mfg.**	**28**	**11**	**248.7**	**.0144**	**81**
Paulding		**All mfg.**	**10**	**5**	**105.3**	**.0061**	**87**
Perry		**All mfg.**	**15**	**7**	**96.8**	**.0056**	**81**
Pickaway	**64**	**All mfg.**	**16**	**9**	**460.9**	**.0267**	**92**
2821		Plastics materials & synthetic resins	2	2	199.5	1.4547	100
3641		Electric lamps	1	1	70.7	3.4824	100
Pike		**All mfg.**	**11**	**3**	**435.7**	**.0252**	**95**
2819		Industrial inorganic chemicals n.e.c.	1	1	371.0	3.4451	100
Portage	**2**	**All mfg.**	**105**	**26**	**543.2**	**.0314**	**61**
3079		Miscellaneous plastics products	16	6	114.2	.4455	74
Preble	**70**	**All mfg.**	**21**	**4**	**119.5**	**.0069**	**57**
Putnam	**151**	**All mfg.**	**17**	**7**	**227.5**	**.0132**	**89**
3672		Cathode-ray TV picture tubes	1	1	126.5	11.8824	100
Richland	**166**	**All mfg.**	**112**	**40**	**1,639.5**	**.0949**	**89**
3312		Blast furnaces & steel mills	2	2	289.9	.5733	100
3317		Steel pipe & tubes	2	2	71.2	2.2247	100
3561		Pumps & pumping equipment	5	4	66.8	1.9837	94
3631		Household cooking equipment	2	2	123.0	6.1962	100
3633		Household laundry equipment	1	1	161.1	7.1019	100
3714		Motor-vehicle parts & accessories	2	1	226.0	.7167	99
3822		Environmental controls	2	2	96.1	5.2791	100
Ross		**All mfg.**	**21**	**6**	**553.1**	**.0320**	**91**
2621		Paper mills, except building paper	1	1	394.7	2.1233	100
Sandusky		**All mfg.**	**66**	**22**	**669.2**	**.0387**	**81**
3633		Household laundry equipment	1	1	211.4	9.3193	100
Scioto		**All mfg.**	**25**	**8**	**139.0**	**.0080**	**55**
Seneca		**All mfg.**	**52**	**25**	**927.5**	**.0537**	**82**
3321		Gray-iron foundries	2	2	75.9	.9310	100
3621		Motors & generators	1	1	50.5	.8511	100
3694		Engine electrical equipment	1	1	89.1	1.9905	100
3714		Motor-vehicle parts & accessories	1	1	74.6	.2366	100
Shelby		**All mfg.**	**47**	**17**	**660.7**	**.0382**	**90**
3469		Metal stampings n.e.c.	1	1	51.5	.9146	100
3585		Refrigeration & heating equipment	1	1	319.8	1.8475	100
Stark	**48**	**All mfg.**	**295**	**91**	**5,499.9**	**.3183**	**89**
2011		Meat-packing plants	3	2	503.3	1.2973	99
3069		Fabricated rubber products n.e.c.	6	4	68.1	1.4809	93
3079		Miscellaneous plastics products	13	3	69.3	.2704	68
3253		Ceramic wall & floor tile	5	5	44.8	11.2846	100
3312		Blast furnaces & steel mills	3	3	1,578.2	3.1212	100
3316		Cold-rolled steel sheet, strip, & bars	3	3	124.2	3.8033	100
3317		Steel pipe & tubes	3	2	79.8	2.4934	95
3325		Steel foundries n.e.c.	3	3	107.4	4.1347	100
3399		Primary metal products n.e.c.	4	2	70.5	7.2703	96
3462		Iron & steel forgings	4	3	109.8	3.1589	96
3465		Automotive stampings	1	1	210.1	1.7078	100
3536		Hoists, industrial cranes, & monorails	2	2	50.9	4.6399	100
3562		Ball & roller bearings	3	2	323.9	14.4637	99
3635		Household vacuum cleaners	1	1	232.2	27.7154	100
Summit	**2**	**All mfg.**	**421**	**119**	**5,661.8**	**.3277**	**86**
2812		Alkalies & chlorine	2	1	103.6	4.9235	97
2822		Synthetic rubber	5	5	452.0	18.7926	100
3011		Tires & inner tubes	8	7	1,202.1	11.7556	100
3069		Fabricated rubber products n.e.c.	25	8	82.4	1.7918	62
3079		Miscellaneous plastics products	24	6	97.4	.3800	51
3443		Fabricated plate work (boiler shops)	6	2	477.7	5.4025	98
3444		Sheet-metal work	9	3	71.4	1.2385	79
3465		Automotive stampings	5	3	602.6	4.8983	97
3531		Construction machinery	2	1	228.5	1.4063	99
3544		Special dies, tools, jigs, & fixtures	36	9	82.3	2.6662	70
3559		Special-industry machinery n.e.c.	14	3	94.5	1.4932	63
3569		General industrial machinery n.e.c.	7	3	41.9	1.9222	88
3592		Carburetors, pistons, rings, & valves	1	1	129.0	5.3185	100
3599		Machinery, except electrical, n.e.c.	26	2	94.1	.8557	46
3728		Aircraft equipment n.e.c.	5	2	322.9	4.3964	98
Trumbull	**300**	**All mfg.**	**157**	**53**	**6,743.6**	**.3903**	**96**
3312		Blast furnaces & steel mills	4	3	1,529.2	3.0243	100
3316		Cold-rolled steel sheet, strip, & bars	3	2	109.5	3.3531	98
3317		Steel pipe & tubes	3	2	75.1	2.3466	98
3356		Nonferrous rolling & drawing n.e.c.	1	1	176.3	4.9051	100
3465		Automotive stampings	1	1	412.3	3.3514	100
3641		Electric lamps	2	2	93.2	4.5907	100
3694		Engine electrical equipment	2	1	596.1	13.3168	100
3711		Motor vehicles & passenger-car bodies	1	1	1,928.8	2.8690	100
3714		Motor-vehicle parts & accessories	2	2	530.5	1.6825	100
3743		Railroad equipment	2	2	319.5	5.4643	100
Tuscarawas		**All mfg.**	**89**	**24**	**640.1**	**.0370**	**69**
Union		**All mfg.**	**17**	**9**	**403.5**	**.0234**	**95**
2874		Phosphatic fertilizers	1	1	235.0	6.6642	100
Van Wert	**151**	**All mfg.**	**22**	**9**	**303.5**	**.0176**	**84**
Vinton		**All mfg.**	**7**	**1**	**43.1**	**.0025**	**65**
Warren	**57**	**All mfg.**	**45**	**14**	**272.0**	**.0157**	**74**
Washington	**205**	**All mfg.**	**40**	**15**	**625.6**	**.0362**	**89**

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% in Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants Total Plants	 Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
2522		Metal office furniture	1	1	57.2	3.5381	100
3312		Blast furnaces & steel mills	1	1	159.5	.3154	100
Wayne		**All mfg.**	**91**	**32**	**870.5**	**.0504**	**81**
3079		Miscellaneous plastics products	2	1	96.2	.3753	98
3713		Truck & bus bodies	3	3	40.0	1.3317	100
Williams		**All mfg.**	**53**	**27**	**527.2**	**.0305**	**84**
3546		Power-driven hand tools	1	1	40.0	3.9988	100
3714		Motor-vehicle parts & accessories	7	6	85.1	.2699	94
Wood	**275**	**All mfg.**	**63**	**27**	**853.9**	**.0494**	**88**
3211		Flat glass	1	1	199.8	8.3633	100
3714		Motor-vehicle parts & accessories	3	2	257.4	.8163	99
Wyandot		**All mfg.**	**26**	**10**	**192.4**	**.0111**	**77**
3079		Miscellaneous plastics products	8	6	87.1	.3398	96
State Total		**All mfg.**	**8,815**	**2,727**	**118,044.4**	**6.8319**	**85**
OKLAHOMA							
Adair		**All mfg.**	**4**	**1**	**41.5**	**.0024**	**76**
Alfalfa		**All mfg.**	**1**		**1.3**	**.0001**	**0**
Atoka		**All mfg.**	**4**	**1**	**13.7**	**.0008**	**35**
Beaver		**All mfg.**	**1**		**2.0**	**.0001**	**0**
Beckham		**All mfg.**	**3**	**1**	**16.1**	**.0009**	**26**
Blaine		**All mfg.**	**6**	**3**	**61.6**	**.0036**	**75**
Bryan		**All mfg.**	**16**	**3**	**118.8**	**.0069**	**47**
Caddo		**All mfg.**	**8**	**3**	**85.9**	**.0050**	**44**
Canadian	**198**	**All mfg.**	**12**	**1**	**56.6**	**.0033**	**13**
Carter		**All mfg.**	**22**	**4**	**272.4**	**.0158**	**76**
3011		Tires & inner tubes	1	1	122.9	1.2019	100
Cherokee		**All mfg.**	**1**	**1**	**4.3**	**.0002**	**100**
Choctaw		**All mfg.**	**7**	**1**	**28.2**	**.0016**	**26**
Cleveland	**198**	**All mfg.**	**24**	**4**	**202.1**	**.0117**	**75**
Coal		**All mfg.**	**1**	**1**	**10.5**	**.0006**	**100**
Comanche	**148**	**All mfg.**	**26**	**5**	**114.2**	**.0066**	**43**
Cotton		**All mfg.**	**1**	**1**	**4.9**	**.0003**	**100**
Craig		**All mfg.**	**5**	**1**	**17.5**	**.0010**	**47**
Creek	**279**	**All mfg.**	**24**	**7**	**206.3**	**.0119**	**66**
Custer		**All mfg.**	**13**	**3**	**105.7**	**.0061**	**69**
Delaware		**All mfg.**	**3**	**1**	**7.8**	**.0005**	**53**
Ellis		**All mfg.**	**1**		**6.8**	**.0004**	**0**
Garfield	**82**	**All mfg.**	**22**	**9**	**1,455.5**	**.0842**	**95**
Garvin		**All mfg.**	**13**	**3**	**448.1**	**.0259**	**96**
Grady		**All mfg.**	**27**	**8**	**249.2**	**.0144**	**62**
Grant		**All mfg.**	**1**		**8.0**	**.0005**	**0**
Greer		**All mfg.**	**2**		**2.6**	**.0002**	**0**
Harmon		**All mfg.**	**1**		**6.5**	**.0004**	**0**
Haskell		**All mfg.**	**1**		**5.0**	**.0003**	**0**
Hughes		**All mfg.**	**2**	**2**	**13.9**	**.0008**	**100**
Jackson		**All mfg.**	**7**	**2**	**53.9**	**.0031**	**63**
Jefferson		**All mfg.**	**4**		**10.1**	**.0006**	**0**
Johnston		**All mfg.**	**3**		**7.5**	**.0004**	**0**
Kay		**All mfg.**	**44**	**7**	**5,067.8**	**.2933**	**98**
2911		Petroleum refining	1	1	4,776.9	3.0542	100
Kingfisher		**All mfg.**	**1**		**3.5**	**.0002**	**0**
Kiowa		**All mfg.**	**4**		**17.9**	**.0010**	**0**
Le Flore	**94**	**All mfg.**	**10**	**5**	**47.8**	**.0028**	**70**
Lincoln		**All mfg.**	**10**	**3**	**399.5**	**.0231**	**95**
Logan		**All mfg.**	**5**	**3**	**55.8**	**.0032**	**97**
Love		**All mfg.**	**3**	**2**	**23.7**	**.0014**	**86**
McClain	**198**	**All mfg.**	**2**	**1**	**9.5**	**.0005**	**81**
McCurtain		**All mfg.**	**15**	**6**	**244.2**	**.0141**	**88**
2421		General sawmills & planing mills	4	1	102.6	.8232	86
McIntosh		**All mfg.**	**4**	**1**	**24.1**	**.0014**	**23**
Major		**All mfg.**	**3**	**1**	**18.0**	**.0010**	**74**
Marshall		**All mfg.**	**6**	**2**	**19.9**	**.0012**	**70**
Mayes	**279**	**All mfg.**	**23**	**9**	**494.2**	**.0286**	**72**
Murray		**All mfg.**	**5**	**1**	**53.4**	**.0031**	**79**
Muskogee		**All mfg.**	**40**	**14**	**435.9**	**.0252**	**79**
Noble		**All mfg.**	**3**	**1**	**101.6**	**.0059**	**67**
Nowata		**All mfg.**	**3**	**2**	**22.6**	**.0013**	**94**
Okfuskee		**All mfg.**	**2**	**2**	**12.8**	**.0007**	**100**
Oklahoma	**198**	**All mfg.**	**343**	**80**	**4,483.2**	**.2595**	**80**
2013		Sausages & other prepared meats	5	2	230.9	2.1412	90
2711		Newspapers	5	2	70.7	.4396	89
3011		Tires & inner tubes	1	1	176.4	1.7250	100
3441		Fabricated structural metal	7	3	50.8	.8243	83
3533		Oil-field machinery	19	2	95.9	1.9782	39
3573		Electronic computing equipment	1	1	160.6	.6643	100
3661		Telephone & telegraph apparatus	1	1	379.8	2.9874	100
3711		Motor vehicles & passenger-car bodies	1	1	1,205.5	1.7931	100
3714		Motor-vehicle parts & accessories	9	3	150.3	.4767	85
3721		Aircraft	1	1	159.8	.6999	100
Okmulgee		**All mfg.**	**20**	**3**	**464.6**	**.0269**	**53**
Osage	**279**	**All mfg.**	**5**	**5**	**294.4**	**.0170**	**100**
Ottawa		**All mfg.**	**20**	**5**	**306.7**	**.0178**	**86**
3011		Tires & inner tubes	1	1	196.1	1.9177	100
Pawnee		**All mfg.**	**3**	**1**	**6.3**	**.0004**	**59**
Payne		**All mfg.**	**19**	**6**	**366.2**	**.0212**	**85**
Pittsburg		**All mfg.**	**18**	**8**	**235.9**	**.0137**	**60**
3489		Ordnance & accessories n.e.c.	1	1	40.6	4.9506	100
Pontotoc		**All mfg.**	**21**	**6**	**142.1**	**.0082**	**64**
Pottawatomie	**198**	**All mfg.**	**23**	**6**	**164.4**	**.0095**	**71**
Pushmataha		**All mfg.**	**1**		**2.0**	**.0001**	**0**
Rogers	**279**	**All mfg.**	**14**	**3**	**71.3**	**.0041**	**68**
Seminole		**All mfg.**	**18**	**5**	**84.9**	**.0049**	**61**
Sequoyah	**94**	**All mfg.**	**8**	**1**	**41.9**	**.0024**	**44**
Stephens		**All mfg.**	**18**	**4**	**779.5**	**.0451**	**94**
3533		Oil-field machinery	2	1	185.3	3.8224	99
Texas		**All mfg.**	**5**	**2**	**182.5**	**.0106**	**25**
Tillman		**All mfg.**	**9**	**3**	**40.4**	**.0023**	**78**
Tulsa	**279**	**All mfg.**	**449**	**112**	**5,414.8**	**.3134**	**83**
2911		Petroleum refining	3	2	2,039.3	1.3038	97
3079		Miscellaneous plastics products	16	4	81.4	.3176	59
3441		Fabricated structural metal	16	4	60.6	.9833	60
3443		Fabricated plate work (boiler shops)	25	11	210.9	2.3852	79
3531		Construction machinery	10	6	342.0	2.1049	95
3533		Oil-field machinery	25	11	357.5	7.3745	87
3561		Pumps & pumping equipment	7	3	70.5	2.0935	87
3721		Aircraft	2	1	231.2	1.0126	99
3728		Aircraft equipment n.e.c.	5	1	82.7	1.1260	92
Wagoner	**279**	**All mfg.**	**4**	**3**	**43.1**	**.0025**	**96**
Washington		**All mfg.**	**15**	**5**	**197.0**	**.0114**	**86**
Washita		**All mfg.**	**3**	**2**	**14.9**	**.0009**	**88**
Woods		**All mfg.**	**2**		**3.0**	**.0002**	**0**
Woodward		**All mfg.**	**7**	**3**	**63.1**	**.0037**	**88**
State Total		**All mfg.**	**1,474**	**389**	**24,092.8**	**1.3944**	**84**
OREGON							
Baker		**All mfg.**	**8**	**6**	**113.7**	**.0066**	**93**
Benton		**All mfg.**	**38**	**7**	**238.2**	**.0138**	**54**
Clackamas	**218**	**All mfg.**	**119**	**32**	**909.3**	**.0526**	**71**
2421		General sawmills & planing mills	11	5	85.9	.6892	79
2621		Paper mills, except building paper	2	2	188.0	1.0114	100
3425		Hand saws & saw blades	3	2	67.3	14.9622	96
Clatsop		**All mfg.**	**21**	**5**	**278.7**	**.0161**	**69**
Columbia		**All mfg.**	**28**	**8**	**407.2**	**.0236**	**79**
2621		Paper mills, except building paper	2	2	181.7	.9775	100
Coos		**All mfg.**	**52**	**16**	**596.6**	**.0345**	**73**
2421		General sawmills & planing mills	11	7	112.9	.9058	89
2436		Softwood veneer & plywood	9	4	203.7	4.6168	87
2492		Particleboard	1	1	47.2	9.1722	100
Crook		**All mfg.**	**11**	**6**	**93.4**	**.0054**	**86**
Curry		**All mfg.**	**9**	**4**	**172.3**	**.0100**	**91**
Deschutes		**All mfg.**	**42**	**11**	**228.8**	**.0132**	**58**
Douglas		**All mfg.**	**63**	**23**	**1,183.8**	**.0685**	**79**
2436		Softwood veneer & plywood	13	11	679.8	15.4076	98
Grant		**All mfg.**	**5**	**2**	**36.0**	**.0021**	**69**
Harney		**All mfg.**	**2**	**1**	**66.0**	**.0038**	**97**
Hood River		**All mfg.**	**15**	**6**	**95.9**	**.0056**	**69**
Jackson		**All mfg.**	**84**	**23**	**680.0**	**.0394**	**61**
2421		General sawmills & planing mills	11	4	101.7	.8160	68
2436		Softwood veneer & plywood	13	10	266.0	6.0289	95
Jefferson		**All mfg.**	**7**	**2**	**87.8**	**.0051**	**68**
Josephine		**All mfg.**	**28**	**12**	**273.6**	**.0158**	**73**
Klamath		**All mfg.**	**30**	**8**	**341.6**	**.0198**	**61**
2421		General sawmills & planing mills	9	4	90.0	.7221	79

County SIC	Metro Area	Industry	Number Of Plants Total Plants	 Large Plants	1980 (S&MM Est.) Total Shipments ($Mil.)	 % Of U.S. Shipments	 % In Large Plants
OREGON (Klamath, cont.)							
2499		Wood products n.e.c.	1	1	90.4	3.0929	100
Lake		**All mfg.**	**7**	**2**	**45.8**	**.002**	**36**
Lane	**84**	**All mfg.**	**190**	**49**	**1,886.8**	**.1092**	**69**
2421		General sawmills & planing mills	30	12	357.8	2.8708	82
2436		Softwood veneer & plywood	23	13	472.0	10.6979	84
2631		Paperboard mills	1	1	323.9	3.0889	100
Lincoln		**All mfg.**	**20**	**3**	**271.6**	**.0157**	**69**
2631		Paperboard mills	1	1	167.3	1.5955	100
Linn		**All mfg.**	**77**	**33**	**1,241.2**	**.0718**	**81**
2436		Softwood veneer & plywood	12	11	340.8	7.7242	99
3339		Primary nonferrous metals n.e.c.	2	2	290.6	21.3144	100
Malheur		**All mfg.**	**8**	**2**	**107.6**	**.0062**	**84**
2037		Frozen fruits & vegetables	1	1	70.0	1.6615	100
Marion	**241**	**All mfg.**	**133**	**31**	**887.9**	**.0514**	**63**
2033		Canned fruits & vegetables	10	7	101.0	1.3052	90
2037		Frozen fruits & vegetables	8	4	161.3	3.8286	90
Morrow		**All mfg.**	**2**	**2**	**41.0**	**.0024**	**100**
Multnomah	**218**	**All mfg.**	**602**	**139**	**5,094.1**	**.2948**	**70**
2051		Bread, cake, & related products	12	4	70.5	.6284	71
2253		Knit-outerwear mills	4	1	54.7	2.0686	91
2339		Women's & misses' outerwear n.e.c.	2	2	72.4	1.8051	100
2431		Millwork	12	5	74.6	1.7232	78
2651		Folding paperboard boxes	5	3	62.1	2.1732	96
2711		Newspapers	5	1	61.7	.3836	88
3325		Steel foundries n.e.c.	6	3	93.7	3.6073	90
3537		Industrial trucks & tractors	4	3	91.3	3.6561	99
3711		Motor vehicles & passenger-car bodies	1	1	502.4	.7473	100
3731		Ship building & repairing	7	4	85.0	1.0393	92
3743		Railroad equipment	2	1	107.1	1.8317	97
Polk	**241**	**All mfg.**	**16**	**7**	**181.1**	**.0105**	**79**
Tillamook		**All mfg.**	**15**	**5**	**200.8**	**.0116**	**83**
Umatilla		**All mfg.**	**31**	**11**	**297.6**	**.0172**	**74**
2037		Frozen fruits & vegetables	6	3	89.8	2.1315	88
Union		**All mfg.**	**14**	**6**	**148.9**	**.0086**	**70**
Wallowa		**All mfg.**	**6**		**38.3**	**.0022**	**0**
Wasco		**All mfg.**	**10**	**5**	**196.2**	**.0114**	**76**
Washington	**218**	**All mfg.**	**115**	**33**	**1,139.2**	**.0659**	**79**
3573		Electronic computing equipment	3	2	127.4	.5270	98
3825		Electricity-measuring instruments	3	1	378.7	9.7257	99
Wheeler		**All mfg.**	**1**	**1**	**19.2**	**.0011**	**100**
Yamhill		**All mfg.**	**54**	**8**	**405.4**	**.0235**	**50**
State Total		**All mfg.**	**1,863**	**509**	**18,005.6**	**1.0421**	**71**
PENNSYLVANIA							
Adams	**299**	**All mfg.**	**45**	**18**	**347.2**	**.0201**	**80**
2033		Canned fruits & vegetables	5	4	137.8	1.7807	99
3149		Nonrubber footwear n.e.c.	3	1	15.0	2.0339	91
Allegheny	**214**	**All mfg.**	**710**	**210**	**11,169.4**	**.6464**	**86**
2032		Canned food specialties	1	1	334.8	9.4299	100
2051		Bread, cake, & related products	33	6	119.1	1.0616	55
2711		Newspapers	12	5	151.1	.9394	91
2752		Lithographic commercial printing	27	4	156.7	1.3311	50
3079		Miscellaneous plastics products	15	5	103.7	.4046	75
3221		Glass containers	1	1	42.5	1.5159	100
3312		Blast furnaces & steel mills	14	13	4,072.1	8.0534	100
3316		Cold-rolled steel sheet, strip, & bars	5	3	101.2	3.0990	92
3325		Steel foundries n.e.c.	7	5	91.0	3.5034	94
3441		Fabricated structural metal	19	7	94.7	1.5366	75
3462		Iron & steel forgings	9	6	111.4	3.2049	93
3494		Valves & pipe fittings	9	4	84.1	1.2163	81
3498		Fabricated pipe & fittings	4	2	121.6	5.7097	90
3499		Fabricated metal products n.e.c.	6	3	60.7	1.4455	92
3531		Construction machinery	5	4	145.5	.8955	93
3545		Machine-tool accessories	6	3	39.4	2.0123	91
3547		Rolling-mill machinery	6	5	76.2	18.2166	97
3559		Special-industry machinery n.e.c.	11	4	117.7	1.8598	89
3567		Industrial-process furnaces & ovens	7	4	34.0	5.2770	91
3599		Machinery, except electrical, n.e.c.	16	1	99.7	.9066	61
3612		Transformers	1	1	111.5	3.7406	100
3621		Motors & generators	6	4	132.4	2.2314	96
3622		Industrial controls	5	1	67.0	2.1073	88
3634		Electric housewares & fans	1	1	88.6	2.6966	100
3662		Radio & TV communication equipment	2	2	165.5	.7039	100
3711		Motor vehicles & passenger-car bodies	1	1	442.0	.6575	100
3731		Ship building & repairing	2	2	111.1	1.3584	100
3743		Railroad equipment	3	1	232.7	3.9798	97
Armstrong		**All mfg.**	**36**	**14**	**512.1**	**.0296**	**87**
3211		Flat glass	1	1	95.8	4.0100	100
3316		Cold-rolled steel sheet, strip, & bars	1	1	93.5	2.8632	100
Beaver	**214**	**All mfg.**	**78**	**35**	**3,280.1**	**.1898**	**97**
2821		Plastics materials & synthetic resins	1	1	149.8	1.0923	100
3312		Blast furnaces & steel mills	4	4	1,712.4	3.3866	100
3316		Cold-rolled steel sheet, strip, & bars	6	5	94.9	2.9061	95
3317		Steel pipe & tubes	3	3	452.1	14.1264	100
3452		Bolts, nuts, rivets, & washers	2	2	132.6	3.3740	100
3613		Switchgear & switchboard apparatus	1	1	175.3	3.7633	100
Bedford		**All mfg.**	**20**	**6**	**164.5**	**.0095**	**73**
Berks	**227**	**All mfg.**	**288**	**115**	**3,471.6**	**.2009**	**83**
2065		Confectionery products	8	4	168.9	3.0069	90
2254		Knit-underwear mills	12	8	69.6	9.5447	89
3312		Blast furnaces & steel mills	1	1	379.7	.7509	100
3317		Steel pipe & tubes	2	2	63.4	1.9810	100
3321		Gray-iron foundries	8	7	82.2	1.0083	96
3552		Textile machinery	2	1	59.7	3.6745	95
3631		Household cooking equipment	1	1	69.8	3.5162	100
3674		Semiconductors & related devices	1	1	201.1	2.6769	100
3691		Storage batteries	4	3	146.9	5.9942	98
3714		Motor-vehicle parts & accessories	1	1	145.5	.4614	100
3851		Ophthalmic goods	4	2	22.9	3.0635	92
Blair	**8**	**All mfg.**	**71**	**32**	**862.3**	**.0499**	**82**
2253		Knit-outerwear mills	2	2	53.3	2.0157	100
Bradford		**All mfg.**	**24**	**14**	**538.5**	**.0312**	**94**
3356		Nonferrous rolling & drawing n.e.c.	1	1	224.4	6.2434	100
3546		Power-driven hand tools	1	1	36.4	3.6389	100
Bucks	**211**	**All mfg.**	**352**	**101**	**3,870.6**	**.2240**	**79**
2641		Paper coating & glazing	4	3	109.1	2.5607	92
2821		Plastics materials & synthetic resins	3	1	176.7	1.2885	93
3312		Blast furnaces & steel mills	1	1	1,101.4	2.1783	100
3559		Special-industry machinery n.e.c.	7	3	87.9	1.3889	91
3823		Industrial process-control instruments	4	2	266.1	11.2597	98
Butler		**All mfg.**	**86**	**29**	**2,072.1**	**.1199**	**90**
3312		Blast furnaces & steel mills	1	1	434.8	.8599	100
3743		Railroad equipment	1	1	259.1	4.4313	100
Cambria	**127**	**All mfg.**	**65**	**21**	**1,860.4**	**.1077**	**94**
3312		Blast furnaces & steel mills	1	1	1,304.4	2.5797	100
3325		Steel foundries n.e.c.	1	1	61.9	2.3831	100
3743		Railroad equipment	1	1	146.9	2.5124	100
Cameron		**All mfg.**	**6**	**4**	**56.2**	**.0033**	**89**
Carbon	**7**	**All mfg.**	**43**	**12**	**369.2**	**.0214**	**74**
2331		Women's & misses' blouses	12	4	94.9	3.2484	72
Centre		**All mfg.**	**44**	**24**	**653.8**	**.0378**	**91**
3351		Copper rolling & drawing	1	1	234.0	4.1394	100
Chester	**211**	**All mfg.**	**249**	**81**	**3,959.2**	**.2291**	**81**
2033		Canned fruits & vegetables	16	6	170.7	2.2059	80
2037		Frozen fruits & vegetables	1	1	104.8	2.4875	100
2819		Industrial inorganic chemicals n.e.c.	2	1	179.8	1.6696	94
2834		Pharmaceutical preparations	3	3	558.2	3.3662	100
3079		Miscellaneous plastics products	9	5	79.2	.3090	86
3312		Blast furnaces & steel mills	7	5	740.2	1.4639	98
3573		Electronic computing equipment	2	2	267.3	1.1056	100
Clarion		**All mfg.**	**16**	**5**	**110.9**	**.0064**	**66**
3221		Glass containers	2	2	52.2	1.8619	100
Clearfield		**All mfg.**	**45**	**17**	**436.4**	**.0253**	**78**
Clinton		**All mfg.**	**18**	**8**	**402.3**	**.0233**	**87**

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
3721		Aircraft	2	2	183.3	.8028	100
Columbia		**All mfg.**	**62**	**22**	**691.0**	**.0400**	**83**
2099		Food preparations n.e.c.	1	1	133.3	1.6557	100
3743		Railroad equipment	1	1	86.4	1.4777	100
Crawford		**All mfg.**	**54**	**20**	**678.3**	**.0393**	**78**
3964		Needles, pins, & fasteners	1	1	69.9	8.8616	100
Cumberland	**110**	**All mfg.**	**70**	**35**	**1,151.7**	**.0667**	**87**
2272		Tufted carpets & rugs	1	1	136.2	2.6724	100
3011		Tires & inner tubes	1	1	117.6	1.1500	100
3211		Flat glass	1	1	82.9	3.4701	100
3442		Metal doors, sash, & trim	1	1	44.7	1.1550	100
3679		Electronic components n.e.c.	7	5	92.2	1.2155	97
Dauphin	**110**	**All mfg.**	**100**	**38**	**2,467.6**	**.1428**	**92**
2066		Chocolate & cocoa products	1	1	814.4	41.9340	100
3149		Nonrubber footwear n.e.c.	4	3	17.1	2.3186	94
3312		Blast furnaces & steel mills	2	2	608.5	1.2034	100
3572		Typewriters	1	1	195.0	7.5870	100
Delaware	**211**	**All mfg.**	**228**	**75**	**7,919.1**	**.4583**	**94**
2621		Paper mills, except building paper	1	1	315.6	1.6978	100
2721		Periodicals	15	1	150.8	2.0025	73
2911		Petroleum refining	3	3	4,435.1	2.8356	100
3443		Fabricated plate work (boiler shops)	1	1	95.5	1.0800	100
3511		Turbines & turbine-generator set units	1	1	482.1	12.9531	100
3629		Electrical industrial apparatus n.e.c.	3	2	61.6	7.0481	99
3721		Aircraft	1	1	342.5	1.5001	100
3731		Ship building & repairing	1	1	237.9	2.9088	100
3743		Railroad equipment	1	1	129.5	2.2148	100
3842		Surgical appliances & supplies	3	2	149.9	3.9880	99
3911		Precious-metal jewelry	1	1	145.4	5.9403	100
Elk		**All mfg.**	**35**	**16**	**561.7**	**.0325**	**89**
3624		Carbon & graphite products	6	6	257.1	26.4425	100
Erie	**83**	**All mfg.**	**229**	**84**	**2,663.7**	**.1542**	**86**
2621		Paper mills, except building paper	1	1	276.3	1.4864	100
3069		Fabricated rubber products n.e.c.	3	1	49.5	1.0764	88
3079		Miscellaneous plastics products	24	10	162.9	.6355	76
3321		Gray-iron foundries	6	4	67.0	.8218	91
3443		Fabricated plate work (boiler shops)	3	2	69.6	.7871	96
3494		Valves & pipe fittings	9	5	96.4	1.3942	89
3621		Motors & generators	2	1	78.6	1.3247	98
3679		Electronic components n.e.c.	4	4	76.9	1.0138	100
3743		Railroad equipment	1	1	481.8	8.2401	100
Fayette		**All mfg.**	**66**	**23**	**518.6**	**.0300**	**79**
3221		Glass containers	1	1	48.5	1.7299	100
Forest		**All mfg.**	**5**	**2**	**29.6**	**.0017**	**67**
Franklin		**All mfg.**	**55**	**26**	**708.0**	**.0410**	**85**
2311		Men's & boys' suits & coats	1	1	74.5	2.0536	100
3536		Hoists, industrial cranes, & monorails	3	2	137.6	12.5433	99
3541		Metal-cutting machine tools	2	2	41.7	1.7661	100
Fulton		**All mfg.**	**2**	**1**	**22.7**	**.0013**	**85**
Greene		**All mfg.**	**8**	**1**	**27.0**	**.00[illegible]**	**26**
Huntingdon		**All mfg.**	**17**	**9**	**142.5**	**.0082**	**88**
Indiana		**All mfg.**	**31**	**10**	**326.5**	**.0189**	**82**
3442		Metal doors, sash, & trim	1	1	44.8	1.1576	100
3535		Conveyors & conveying equipment	2	1	70.7	2.8693	93
Jefferson		**All mfg.**	**31**	**8**	**207.4**	**.0120**	**75**
Juniata		**All mfg.**	**9**	**4**	**48.8**	**.0028**	**75**
Lackawanna	**196**	**All mfg.**	**209**	**71**	**1,670.3**	**.0967**	**75**
2327		Men's & boys' separate trousers	8	8	34.8	1.5965	100
2335		Women's & misses' dresses	36	4	107.3	1.9848	27
3672		Cathode-ray TV picture tubes	1	1	101.2	9.5059	100
Lancaster	**142**	**All mfg.**	**321**	**122**	**3,863.4**	**.2236**	**83**
2017		Poultry & egg processing	1	1	32.7	3.0527	100
2026		Fluid milk	4	1	182.4	1.0842	82
2341		Women's & children's underwear	13	10	72.1	3.1683	94
2834		Pharmaceutical preparations	2	2	131.2	.7912	100
3322		Malleable-iron foundries	4	4	80.3	10.1363	100
3523		Farm machinery & equipment	4	3	154.3	1.3975	97
3672		Cathode-ray TV picture tubes	1	1	164.4	15.4424	100
3996		Hard-surface floor coverings n.e.c.	2	1	312.5	48.9428	99
Lawrence		**All mfg.**	**67**	**24**	**584.5**	**.0338**	**76**
Lebanon		**All mfg.**	**93**	**41**	**843.2**	**.0488**	**82**
3325		Steel foundries n.e.c.	2	2	67.1	2.5833	100
3452		Bolts, nuts, rivets, & washers	1	1	86.0	2.1882	100

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
Lehigh	**7**	**All mfg.**	**226**	**78**	**3,770.6**	**.2182**	**90**
2311		Men's & boys' suits & coats	4	2	44.3	1.2212	94
2321		Men's & boys' shirts & nightwear	8	3	31.1	.8438	73
2339		Women's & misses' outerwear n.e.c.	14	6	77.3	1.9273	72
3585		Refrigeration & heating equipment	1	1	375.4	2.1687	100
3634		Electric housewares & fans	1	1	90.9	2.7666	100
3671		Receiving-type electron tubes	1	1	71.6	33.3178	100
3711		Motor vehicles & passenger-car bodies	1	1	1,145.9	1.7045	100
Luzerne	**196**	**All mfg.**	**379**	**125**	**2,402.1**	**.1390**	**69**
2067		Chewing gum	1	1	84.4	11.7255	100
2121		Cigars	4	3	42.8	13.2878	96
2335		Women's & misses' dresses	94	15	318.8	5.8972	39
3149		Nonrubber footwear n.e.c.	6	6	14.2	1.9254	100
3559		Special-industry machinery n.e.c.	5	3	71.7	1.1329	95
3674		Semiconductors & related devices	1	1	104.0	1.3844	100
Lycoming	**294**	**All mfg.**	**95**	**46**	**1,390.1**	**.0805**	**89**
2051		Bread, cake, & related products	1	1	88.8	.7915	100
2241		Narrow-fabric mills	4	2	46.5	6.2863	95
3559		Special-industry machinery n.e.c.	1	1	72.9	1.1519	100
3641		Electric lamps	1	1	80.4	3.9602	100
3724		Aircraft engines & engine parts	1	1	167.7	1.5488	100
McKean		**All mfg.**	**32**	**15**	**1,291.1**	**.0747**	**96**
Mercer		**All mfg.**	**66**	**25**	**1,261.3**	**.0730**	**90**
3312		Blast furnaces & steel mills	2	2	600.1	1.1868	100
3317		Steel pipe & tubes	6	6	152.6	4.7682	100
3563		Air & gas compressors	1	1	55.0	2.9640	100
3612		Transformers	2	2	120.4	4.0392	100
Mifflin		**All mfg.**	**29**	**10**	**399.7**	**.0231**	**81**
3312		Blast furnaces & steel mills	1	1	145.0	.2868	100
Monroe	**196**	**All mfg.**	**46**	**14**	**288.5**	**.0167**	**61**
Montgomery	**211**	**All mfg.**	**642**	**206**	**6,742.1**	**.3902**	**81**
2051		Bread, cake, & related products	6	4	62.8	.5598	90
2254		Knit-underwear mills	3	2	31.9	4.3747	91
2311		Men's & boys' suits & coats	7	4	40.0	1.1026	86
2834		Pharmaceutical preparations	4	4	607.7	3.6647	100
3011		Tires & inner tubes	2	2	351.3	3.4354	100
3079		Miscellaneous plastics products	16	4	100.6	.3925	69
3317		Steel pipe & tubes	9	7	164.1	5.1275	95
3321		Gray-iron foundries	3	1	63.2	.7752	85
3361		Aluminum foundries	4	1	67.8	1.9842	93
3452		Bolts, nuts, rivets, & washers	4	2	79.4	2.0203	94
3566		Speed changers, drives, & gears	6	5	83.3	8.1811	99
3573		Electronic computing equipment	10	7	345.9	1.4307	95
3613		Switchgear & switchboard apparatus	6	2	79.5	1.7067	82
3662		Radio & TV communication equipment	8	4	170.2	.7239	94
3679		Electronic components n.e.c.	13	6	69.9	.9215	80
3714		Motor-vehicle parts & accessories	7	3	147.9	.4691	93
3811		Engineering & scientific instruments	8	2	47.7	1.7311	80
3823		Industrial process-control instruments	6	3	220.1	9.3132	96
3841		Surgical & medical instruments	7	4	66.1	2.5655	90
Montour		**All mfg.**	**8**	**6**	**179.7**	**.0104**	**98**
Northampton	**7**	**All mfg.**	**227**	**81**	**3,598.3**	**.2083**	**87**
2331		Women's & misses' blouses	52	10	231.1	7.9106	46
2339		Women's & misses' outerwear n.e.c.	9	5	56.7	1.4137	88
3241		Hydraulic cement	7	7	335.4	7.6476	100
3312		Blast furnaces & steel mills	1	1	1,594.2	3.1529	100
Northumberland		**All mfg.**	**86**	**44**	**1,020.3**	**.0591**	**86**
2032		Canned food specialties	1	1	205.2	5.7796	100
2321		Men's & boys' shirts & nightwear	3	2	36.5	.9903	93
2335		Women's & misses' dresses	11	3	50.5	.9341	54
2517		Wood TV & radio cabinets	1	1	33.7	9.0131	100
Perry	**110**	**All mfg.**	**8**	**2**	**37.4**	**.0022**	**56**
Philadelphia	**211**	**All mfg.**	**1,297**	**376**	**12,993.1**	**.7520**	**80**
2011		Meat-packing plants	6	4	318.9	.8220	95
2013		Sausages & other prepared meats	12	7	359.3	3.3318	89
2026		Fluid milk	10	6	181.9	1.0812	80
2051		Bread, cake, & related products	19	9	227.3	2.0261	90
2052		Cookies & crackers	4	2	208.8	6.1405	95
2062		Cane-sugar refining	2	2	393.7	14.1436	100
2065		Confectionery products	19	7	216.0	3.8455	78
2082		Malt beverages	2	2	225.1	2.6050	100
2086		Bottled & canned soft drinks	5	4	130.8	1.0096	97
2253		Knit-outerwear mills	23	13	170.9	6.4630	88

PENNSYLVANIA (Philadelphia, cont.)

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
2311		Men's & boys' suits & coats	42	26	391.2	10.7837	94
2329		Men's & boys' clothing n.e.c.	12	5	36.6	2.7293	77
2335		Women's & misses' dresses	17	4	66.3	1.2264	40
2361		Girls' & children's dresses & blouses	6	2	52.0	5.0672	87
2651		Folding paperboard boxes	12	3	54.4	1.9038	46
2653		Corrugated & solid fiber boxes	15	7	120.6	1.4324	75
2711		Newspapers	10	5	328.9	2.0449	97
2721		Periodicals	12	5	133.8	1.7768	90
2731		Book publishing	8	2	99.4	1.6294	82
2751		Letterpress commercial printing	29	8	66.2	1.2112	65
2752		Lithographic commercial printing	33	7	219.5	1.8645	51
2834		Pharmaceutical preparations	7	1	533.8	3.2191	94
2851		Paints & allied products	10	3	148.1	1.7469	79
2911		Petroleum refining	2	1	2,030.9	1.2985	98
3041		Rubber & plastic hose & belting	1	1	48.8	3.1166	100
3411		Metal cans	3	3	178.5	2.0970	100
3444		Sheet-metal work	17	8	86.6	1.5021	83
3469		Metal stampings n.e.c.	11	3	89.4	1.5876	81
3537		Industrial trucks & tractors	2	1	64.7	2.5909	98
3552		Textile machinery	16	3	46.7	2.8744	61
3561		Pumps & pumping equipment	6	3	64.2	1.9065	89
3562		Ball & roller bearings	2	2	42.8	1.9112	100
3585		Refrigeration & heating equipment	5	4	179.1	1.0346	98
3613		Switchgear & switchboard apparatus	3	2	251.1	5.3905	99
3645		Residential electric lighting fixtures	12	5	101.5	8.7462	83
3714		Motor-vehicle parts & accessories	4	3	216.4	.6863	99
3721		Aircraft	1	1	114.1	.4997	100
Pike		**All mfg.**	**3**	**2**	**43.1**	**.0025**	**98**
Potter		**All mfg.**	**12**	**3**	**44.9**	**.0026**	**65**
Schuylkill		**All mfg.**	**166**	**79**	**1,217.2**	**.0704**	**77**
2254		Knit-underwear mills	14	10	46.4	6.3631	89
2321		Men's & boys' shirts & nightwear	9	8	49.0	1.3294	96
2331		Women's & misses' blouses	11	5	61.3	2.0983	70
2335		Women's & misses' dresses	25	11	157.6	2.9153	72
2341		Women's & children's underwear	4	2	27.7	1.2172	86
3079		Miscellaneous plastics products	6	4	69.6	.2715	91
Snyder		**All mfg.**	**30**	**13**	**212.2**	**.0123**	**70**
Somerset	**127**	**All mfg.**	**42**	**17**	**259.4**	**.0150**	**73**
Sullivan		**All mfg.**	**8**	**2**	**22.5**	**.0013**	**47**
Susquehanna	**33**	**All mfg.**	**14**	**6**	**89.1**	**.0052**	**69**
Tioga		**All mfg.**	**16**	**8**	**139.1**	**.0081**	**91**
Union		**All mfg.**	**14**	**6**	**154.9**	**.0090**	**78**
Venango		**All mfg.**	**37**	**14**	**1,669.2**	**.0966**	**81**
3411		Metal cans	1	1	133.8	1.5719	100
3532		Mining machinery	2	1	160.6	5.8054	98
3563		Air & gas compressors	1	1	60.5	3.2604	100
Warren		**All mfg.**	**38**	**12**	**3,467.3**	**.2007**	**97**
2911		Petroleum refining	1	1	3,137.2	2.0058	100
3462		Iron & steel forgings	1	1	69.6	2.0024	100
3471		Plating & polishing	1	1	42.3	1.9819	100
Washington	**214**	**All mfg.**	**111**	**32**	**1,287.0**	**.0745**	**71**
3312		Blast furnaces & steel mills	4	3	212.0	.4193	98
3612		Transformers	1	1	133.7	4.4854	100
3662		Radio & TV communication equipment	1	1	93.5	.3977	100
Wayne		**All mfg.**	**17**	**6**	**87.4**	**.0051**	**74**
Westmoreland	**214**	**All mfg.**	**191**	**75**	**3,210.7**	**.1858**	**88**
3229		Pressed & blown glass n.e.c.	9	6	50.8	3.1315	92
3312		Blast furnaces & steel mills	3	3	543.4	1.0747	100
3316		Cold-rolled steel sheet, strip, & bars	3	2	139.0	4.2565	97
3321		Gray-iron foundries	10	5	86.8	1.0647	80
3325		Steel foundries n.e.c.	3	3	42.7	1.6439	100
3563		Air & gas compressors	2	1	128.8	6.9412	99
3644		Non-current-carrying wiring devices	3	3	95.2	5.4202	100
3711		Motor vehicles & passenger-car bodies	1	1	904.1	1.3448	100
3822		Environmental controls	2	2	62.1	3.4113	100
Wyoming		**All mfg.**	**15**	**3**	**561.2**	**.0325**	**92**
2647		Sanitary paper products	1	1	443.9	7.2684	100
York	**299**	**All mfg.**	**294**	**122**	**3,645.3**	**.2110**	**85**
2361		Girls' & children's dresses & blouses	7	4	38.3	3.7322	82
2522		Metal office furniture	2	2	80.8	4.9978	100
2621		Paper mills, except building paper	1	1	141.4	.7607	100
2761		Manifold business forms	4	3	141.5	3.8679	95
3496		Miscellaneous fabricated wire products	6	5	46.9	2.5998	98
3531		Construction machinery	2	1	279.5	1.7202	99
3585		Refrigeration & heating equipment	3	1	316.9	1.8307	92
3623		Electric welding apparatus	2	2	75.1	4.7610	100
3751		Motorcycles, bicycles, & parts	1	1	105.2	8.7412	100
3843		Dental equipment & supplies	1	1	66.3	5.8291	100
State Total		**All mfg.**	**8,037**	**2,806**	**110,747.2**	**6.4096**	**85**

RHODE ISLAND

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Bristol	**220**	**All mfg.**	**40**	**16**	**280.2**	**.0162**	**83**
3161		Luggage	1	1	52.4	6.5369	100
Kent	**220**	**All mfg.**	**134**	**31**	**1,047.8**	**.0606**	**69**
3552		Textile machinery	1	1	120.9	7.4414	100
3643		Current-carrying wiring devices	2	1	57.1	2.8414	95
Newport		**All mfg.**	**20**	**5**	**323.7**	**.0187**	**84**
3662		Radio & TV communication equipment	1	1	173.2	.7367	100
Providence	**220**	**All mfg.**	**986**	**236**	**6,325.4**	**.3661**	**66**
2221		Synthetics- & silk-weaving mills	13	6	122.7	1.6750	80
2231		Wool-fabric weaving & finishing mills	11	4	20.9	3.0986	69
2241		Narrow-fabric mills	27	12	78.6	10.6259	77
2711		Newspapers	11	3	87.5	.5440	87
2751		Letterpress commercial printing	18	2	28.9	.5287	30
3079		Miscellaneous plastics products	31	7	214.5	.8368	66
3161		Luggage	4	3	57.0	7.1108	94
3229		Pressed & blown glass n.e.c.	3	3	30.1	1.8555	100
3351		Copper rolling & drawing	3	3	210.6	3.7255	100
3357		Nonferrous-wire drawing & insulating	9	9	503.6	5.3954	100
3421		Cutlery	3	2	64.7	7.3464	97
3471		Plating & polishing	25	2	44.4	2.0803	33
3541		Metal-cutting machine tools	16	4	53.8	2.2786	73
3569		General industrial machinery n.e.c.	5	3	40.5	1.8580	92
3643		Current-carrying wiring devices	7	3	33.9	1.6869	77
3699		Electrical equipment & supplies n.e.c.	3	2	48.2	6.1898	96
3714		Motor-vehicle parts & accessories	1	1	77.5	.2458	100
3842		Surgical appliances & supplies	5	2	78.2	2.0805	93
3911		Precious-metal jewelry	117	19	537.3	21.9512	55
3914		Silverware & plated & stainless ware	10	1	49.7	10.2835	75
3915		Jewelers' materials & lapidary work	36	5	431.8	50.9679	64
3944		Games, toys, & children's vehicles	4	1	71.5	2.2121	87
3951		Pens & mechanical pencils	1	1	56.9	7.8278	100
3961		Costume jewelry	95	29	408.2	46.2131	72
3964		Needles, pins, & fasteners	7	4	52.2	6.6176	89
Washington	**220**	**All mfg.**	**48**	**17**	**595.4**	**.0345**	**86**
3731		Ship building & repairing	1	1	200.6	2.4527	100
State Total		**All mfg.**	**1,228**	**305**	**8,572.5**	**.4961**	**69**

SOUTH CAROLINA

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Abbeville		**All mfg.**	**16**	**11**	**235.8**	**.0136**	**90**
2221		Synthetics- & silk-weaving mills	3	2	93.8	1.2805	98
Aiken	**21**	**All mfg.**	**46**	**29**	**1,602.6**	**.0928**	**97**
2211		Cotton-weaving mills	6	6	110.9	2.1147	100
2221		Synthetics- & silk-weaving mills	3	3	104.6	1.4279	100
2262		Synthetics- & silk-finishing plants	2	2	231.7	8.9487	100
2821		Plastics materials & synthetic resins	1	1	778.7	5.6782	100
3229		Pressed & blown glass n.e.c.	1	1	43.8	2.7000	100
Allendale		**All mfg.**	**11**	**6**	**123.1**	**.0071**	**77**
Anderson	**13**	**All mfg.**	**94**	**55**	**1,478.7**	**.0856**	**92**
2211		Cotton-weaving mills	12	11	251.7	4.7995	99
2221		Synthetics- & silk-weaving mills	9	9	242.9	3.3159	100

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
2321		Men's & boys' shirts & nightwear	6	5	45.6	1.2372	95
2824		Noncellulosic synthetic organic fibers	1	1	161.6	1.9016	100
3069		Fabricated rubber products n.e.c.	2	2	63.0	1.3700	100
3229		Pressed & blown glass n.e.c.	1	1	38.5	2.3733	100
3635		Household vacuum cleaners	1	1	78.2	9.3340	100
3636		Sewing machines	1	1	51.4	13.1357	100
Bamberg		**All mfg.**	**16**	**5**	**88.1**	**.0051**	**65**
Barnwell		**All mfg.**	**19**	**10**	**306.5**	**.0177**	**90**
Beaufort		**All mfg.**	**18**	**6**	**140.5**	**.0081**	**56**
Berkeley	**51**	**All mfg.**	**23**	**16**	**506.6**	**.0293**	**93**
2824		Noncellulosic synthetic organic fibers	1	1	138.3	1.6274	100
Calhoun		**All mfg.**	**6**	**2**	**81.8**	**.0047**	**13**
Charleston	**51**	**All mfg.**	**102**	**32**	**1,514.0**	**.0876**	**78**
2631		Paperboard mills	1	1	251.1	2.3946	100
3519		Internal-combustion engines n.e.c.	1	1	127.7	1.3738	100
Cherokee		**All mfg.**	**35**	**20**	**398.1**	**.0230**	**91**
2211		Cotton-weaving mills	4	4	63.2	1.2051	100
2261		Cotton-finishing plants	3	2	22.8	2.2775	98
Chester		**All mfg.**	**36**	**22**	**492.9**	**.0285**	**89**
2211		Cotton-weaving mills	5	5	65.5	1.2490	100
2221		Synthetics- & silk-weaving mills	8	8	229.3	3.1302	100
Chesterfield		**All mfg.**	**45**	**28**	**509.1**	**.0295**	**89**
Clarendon		**All mfg.**	**12**	**8**	**87.2**	**.0050**	**92**
Colleton		**All mfg.**	**22**	**9**	**207.7**	**.0120**	**73**
Darlington		**All mfg.**	**27**	**16**	**739.9**	**.0428**	**93**
2262		Synthetics- & silk-finishing plants	1	1	169.9	6.5619	100
Dillon		**All mfg.**	**20**	**10**	**181.5**	**.0105**	**80**
Dorchester	**51**	**All mfg.**	**28**	**11**	**295.6**	**.0171**	**79**
Edgefield		**All mfg.**	**12**	**7**	**131.9**	**.0076**	**87**
Fairfield		**All mfg.**	**11**	**4**	**119.7**	**.0069**	**90**
Florence		**All mfg.**	**65**	**31**	**873.6**	**.0506**	**84**
2824		Noncellulosic synthetic organic fibers	1	1	139.7	1.6439	100
3651		Radio & TV receiving sets	1	1	98.7	1.4604	100
Georgetown		**All mfg.**	**25**	**7**	**514.2**	**.0298**	**91**
2631		Paperboard mills	1	1	244.9	2.3355	100
Greenville	**107**	**All mfg.**	**293**	**109**	**3,588.4**	**.2077**	**83**
2211		Cotton-weaving mills	12	11	176.4	3.3637	99
2221		Synthetics- & silk-weaving mills	10	8	485.7	6.6304	99
2261		Cotton-finishing plants	2	2	23.9	2.3874	100
2272		Tufted carpets & rugs	5	5	220.8	4.3323	100
2369		Girls' & children's outerwear n.e.c.	1	1	28.0	3.1387	100
2643		Bags, except textile bags	4	1	99.5	2.2790	92
2821		Plastics materials & synthetic resins	2	2	166.3	1.2126	100
2824		Noncellulosic synthetic organic fibers	2	1	312.7	3.6796	97
3011		Tires & inner tubes	1	1	196.1	1.9177	100
3552		Textile machinery	27	8	150.4	9.2571	73
3675		Electronic capacitors	1	1	67.0	6.4398	100
3679		Electronic components n.e.c.	2	1	65.8	.8674	99
Greenwood		**All mfg.**	**49**	**28**	**1,009.4**	**.0584**	**93**
2211		Cotton-weaving mills	6	6	148.1	2.8240	100
2221		Synthetics- & silk-weaving mills	6	6	188.8	2.5773	100
2824		Noncellulosic synthetic organic fibers	1	1	273.2	3.2148	100
3842		Surgical appliances & supplies	1	1	69.4	1.8463	100
Hampton		**All mfg.**	**25**	**7**	**222.3**	**.0129**	**43**
Horry		**All mfg.**	**37**	**15**	**343.5**	**.0199**	**77**
3675		Electronic capacitors	1	1	67.0	6.4398	100
Jasper		**All mfg.**	**3**	**1**	**10.5**	**.0006**	**85**
Kershaw		**All mfg.**	**27**	**13**	**662.4**	**.0383**	**92**
2211		Cotton-weaving mills	3	3	46.1	.8790	100
2824		Noncellulosic synthetic organic fibers	1	1	443.8	5.2223	100
Lancaster		**All mfg.**	**25**	**11**	**397.3**	**.0230**	**84**
2211		Cotton-weaving mills	3	3	168.0	3.2035	100
Laurens		**All mfg.**	**33**	**21**	**520.9**	**.0301**	**92**
2211		Cotton-weaving mills	4	4	89.0	1.6971	100
2221		Synthetics- & silk-weaving mills	3	3	184.2	2.5145	100
3562		Ball & roller bearings	1	1	48.1	2.1479	100
Lee		**All mfg.**	**8**	**2**	**86.3**	**.0050**	**68**
Lexington	**62**	**All mfg.**	**87**	**39**	**1,071.4**	**.0620**	**84**
2824		Noncellulosic synthetic organic fibers	1	1	198.9	2.3405	100
McCormick		**All mfg.**	**6**	**2**	**40.1**	**.0023**	**33**
Marion		**All mfg.**	**26**	**15**	**319.9**	**.0185**	**89**
Marlboro		**All mfg.**	**21**	**14**	**337.1**	**.0195**	**94**
Newberry		**All mfg.**	**22**	**14**	**278.1**	**.0161**	**86**
2211		Cotton-weaving mills	4	4	65.4	1.2471	100
Oconee		**All mfg.**	**27**	**16**	**355.7**	**.0206**	**90**
2211		Cotton-weaving mills	3	2	44.0	.8390	94
3825		Electricity-measuring instruments	1	1	58.8	1.5101	100
Orangeburg		**All mfg.**	**49**	**28**	**647.4**	**.0375**	**86**
2261		Cotton-finishing plants	2	2	24.9	2.4873	100
2421		General sawmills & planing mills	4	2	92.7	.7438	91
Pickens	**107**	**All mfg.**	**46**	**34**	**733.9**	**.0425**	**94**
2211		Cotton-weaving mills	13	13	168.3	3.2092	100
2261		Cotton-finishing plants	1	1	44.4	4.4351	100
2282		Throwing & winding mills, except wool	3	3	152.6	7.0055	100
3546		Power-driven hand tools	1	1	54.3	5.4284	100
3552		Textile machinery	1	1	55.9	3.4406	100
Richland	**62**	**All mfg.**	**108**	**44**	**1,192.0**	**.0690**	**84**
2211		Cotton-weaving mills	2	2	81.1	1.5464	100
2824		Noncellulosic synthetic organic fibers	1	1	178.2	2.0969	100
Saluda		**All mfg.**	**13**	**5**	**109.4**	**.0063**	**68**
Spartanburg	**107**	**All mfg.**	**164**	**78**	**2,382.8**	**.1379**	**88**
2211		Cotton-weaving mills	18	16	335.3	6.3936	99
2221		Synthetics- & silk-weaving mills	6	3	86.3	1.1781	87
2253		Knit-outerwear mills	3	3	102.1	3.8611	100
2321		Men's & boys' shirts & nightwear	3	3	34.6	.9387	100
2824		Noncellulosic synthetic organic fibers	2	2	352.6	4.1492	100
3011		Tires & inner tubes	2	1	155.0	1.5158	95
3079		Miscellaneous plastics products	9	1	66.5	.2594	71
3552		Textile machinery	12	3	67.4	4.1485	77
Sumter		**All mfg.**	**54**	**18**	**586.7**	**.0340**	**80**
2037		Frozen fruits & vegetables	1	1	125.8	2.9860	100
2511		Wood household furniture	2	2	40.3	.8618	100
Union		**All mfg.**	**23**	**13**	**268.6**	**.0155**	**86**
2261		Cotton-finishing plants	3	2	35.4	3.5361	98
Williamsburg		**All mfg.**	**17**	**9**	**209.9**	**.0121**	**90**
York		**All mfg.**	**72**	**27**	**813.9**	**.0471**	**85**
2211		Cotton-weaving mills	4	3	81.4	1.5522	98
2261		Cotton-finishing plants	5	1	54.9	5.4840	93
2823		Cellulosic man-made fibers	1	1	124.5	9.3258	100
State Total		**All mfg.**	**1,924**	**908**	**26,817.0**	**1.5521**	**86**
SOUTH DAKOTA							
Beadle		**All mfg.**	**14**	**3**	**190.6**	**.0110**	**68**
Bon Homme		**All mfg.**	**2**		**4.7**	**.0003**	**0**
Brookings		**All mfg.**	**8**	**3**	**61.9**	**.0036**	**69**
Brown		**All mfg.**	**15**	**3**	**101.5**	**.0059**	**32**
Butte		**All mfg.**	**2**		**7.6**	**.0004**	**0**
Campbell		**All mfg.**	**1**		**15.6**	**.0009**	**0**
Charles Mix		**All mfg.**	**2**	**1**	**25.9**	**.0015**	**38**
Clark		**All mfg.**	**2**	**2**	**20.0**	**.0012**	**100**
Clay		**All mfg.**	**5**	**1**	**27.9**	**.0016**	**41**
Codington		**All mfg.**	**19**	**7**	**107.1**	**.0062**	**61**
Corson		**All mfg.**	**1**		**4.2**	**.0002**	**0**
Custer		**All mfg.**	**1**		**2.4**	**.0001**	**0**
Davison		**All mfg.**	**16**	**3**	**115.2**	**.0067**	**43**
Day		**All mfg.**	**5**	**2**	**47.1**	**.0027**	**70**
Deuel		**All mfg.**	**1**		**3.4**	**.0002**	**0**
Dewey		**All mfg.**	**1**		**6.1**	**.0004**	**0**
Douglas		**All mfg.**	**1**		**1.8**	**.0001**	**0**
Edmunds		**All mfg.**	**2**		**5.5**	**.0003**	**0**
Fall River		**All mfg.**	**2**		**8.5**	**.0005**	**0**
Grant		**All mfg.**	**7**	**1**	**61.6**	**.0036**	**50**
Haakon		**All mfg.**	**1**		**2.9**	**.0002**	**0**
Hamlin		**All mfg.**	**1**		**13.2**	**.0008**	**0**
Hand		**All mfg.**	**2**		**4.6**	**.0003**	**0**
Hanson		**All mfg.**	**1**		**3.2**	**.0002**	**0**
Hughes		**All mfg.**	**3**		**5.6**	**.0003**	**0**
Hutchinson		**All mfg.**	**4**		**19.0**	**.0011**	**0**
Kingsbury		**All mfg.**	**5**	**1**	**18.8**	**.0011**	**45**
Lake		**All mfg.**	**9**	**4**	**38.4**	**.0022**	**75**
Lawrence		**All mfg.**	**4**		**12.2**	**.0007**	**0**
Lincoln		**All mfg.**	**8**	**1**	**39.0**	**.0023**	**13**
Lyman		**All mfg.**	**1**		**2.6**	**.0002**	**0**

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
SOUTH DAKOTA (cont.)							
McCook		**All mfg.**	7		20.5	.0012	0
McPherson		**All mfg.**	1		10.5	.0006	0
Marshall		**All mfg.**	3		7.6	.0004	0
Meade	226	**All mfg.**	4		27.6	.0016	0
Miner		**All mfg.**	1		1.0	.0001	0
Minnehaha	260	**All mfg.**	61	17	1,181.5	.0684	81
2011		Meat-packing plants	2	2	805.6	2.0764	100
Moody		**All mfg.**	3		9.2	.0005	0
Pennington	226	**All mfg.**	29	9	312.1	.0181	72
Perkins		**All mfg.**	1		3.5	.0002	0
Potter		**All mfg.**	1		6.1	.0004	0
Roberts		**All mfg.**	1		4.3	.0002	0
Sanborn		**All mfg.**	1		1.1	.0001	0
Shannon		**All mfg.**	2	1	3.7	.0002	54
Spink		**All mfg.**	1		10.5	.0006	0
Stanley		**All mfg.**	1		6.7	.0004	0
Todd		**All mfg.**	2		6.3	.0004	0
Turner		**All mfg.**	4		23.0	.0013	0
Union		**All mfg.**	13	4	71.0	.0041	66
Walworth		**All mfg.**	2	1	14.1	.0008	68
Washabaugh		**All mfg.**	1		1.8	.0001	0
Yankton		**All mfg.**	13	6	139.5	.0081	76
State Total		**All mfg.**	298	70	2,839.7	.1643	64
TENNESSEE							
Anderson	135	**All mfg.**	33	9	851.4	.0493	93
2819		Industrial inorganic chemicals n.e.c.	1	1	665.0	6.1751	100
Bedford		**All mfg.**	31	13	259.1	.0150	83
3952		Lead pencils & art goods	5	4	48.7	15.4016	93
Benton		**All mfg.**	5	4	34.3	.0020	97
Bledsoe		**All mfg.**	5	1	8.3	.0005	26
Blount	135	**All mfg.**	20	8	1,562.2	.0904	98
2823		Cellulosic man-made fibers	1	1	210.6	15.7753	100
3334		Primary aluminum	1	1	799.1	12.1668	100
3353		Aluminum sheet, plate, & foil	1	1	438.0	5.1979	100
Bradley		**All mfg.**	54	26	607.8	.0352	87
2328		Men's & boys' work clothing	1	1	56.7	1.1956	100
2512		Upholstered wood household furniture	9	4	51.9	1.6273	84
3631		Household cooking equipment	3	3	150.6	7.5865	100
3692		Dry & wet primary batteries	1	1	69.5	8.5015	100
Campbell		**All mfg.**	18	6	89.9	.0052	76
Cannon		**All mfg.**	5	2	31.8	.0018	66
Carroll		**All mfg.**	15	8	155.1	.0090	82
Carter	126	**All mfg.**	19	10	319.6	.0185	93
2824		Noncellulosic synthetic organic fibers	1	1	173.9	2.0463	100
Cheatham	183	**All mfg.**	9	5	152.4	.0088	94
3639		Household appliances n.e.c.	2	2	113.2	7.4084	100
Chester		**All mfg.**	6	3	40.8	.0024	83
Claiborne		**All mfg.**	10	7	70.6	.0041	91
Clay		**All mfg.**	6	1	36.7	.0021	46
Cocke		**All mfg.**	18	16	324.4	.0188	99
Coffee		**All mfg.**	37	12	218.7	.0127	70
3949		Sporting & athletic goods n.e.c.	3	2	47.6	1.7377	91
Crockett		**All mfg.**	6	2	61.7	.0036	88
Cumberland		**All mfg.**	17	9	136.0	.0079	79
Davidson	183	**All mfg.**	360	118	3,924.3	.2271	82
2013		Sausages & other prepared meats	5	3	189.4	1.7563	96
2711		Newspapers	3	2	111.7	.6945	98
2751		Letterpress commercial printing	14	5	53.5	.9788	76
2824		Noncellulosic synthetic organic fibers	1	1	422.2	4.9682	100
3079		Miscellaneous plastics products	6	2	68.8	.2684	87
3211		Flat glass	1	1	279.6	11.7036	100
3661		Telephone & telegraph apparatus	2	2	90.0	.7079	100
3728		Aircraft equipment n.e.c.	1	1	149.6	2.0368	100
3731		Ship building & repairing	1	1	60.1	.7348	100
Decatur		**All mfg.**	7	4	91.5	.0053	86
Dekalb		**All mfg.**	11	7	83.3	.0048	87
Dickson	183	**All mfg.**	18	6	142.5	.0082	82
Dyer		**All mfg.**	17	12	363.1	.0210	95
Fayette		**All mfg.**	9	5	91.4	.0053	77
Fentress		**All mfg.**	8	4	41.5	.0024	76
Franklin		**All mfg.**	14	5	93.1	.0054	83
Gibson		**All mfg.**	35	26	478.4	.0277	96
3483		Ammunition, except small-arms, n.e.c.	1	1	70.0	8.2499	100
Giles		**All mfg.**	21	9	250.5	.0145	79
3714		Motor-vehicle parts & accessories	1	1	93.3	.2959	100
Grainger		**All mfg.**	8	3	35.5	.0021	72
Greene		**All mfg.**	30	20	601.1	.0348	95
3651		Radio & TV receiving sets	1	1	175.1	2.5908	100
Grundy		**All mfg.**	6	2	20.2	.0012	54
Hamblen		**All mfg.**	50	21	373.4	.0216	82
2511		Wood household furniture	6	5	79.3	1.6957	98
2512		Upholstered wood household furniture	6	1	42.2	1.3232	78
Hamilton	54	**All mfg.**	258	102	3,576.9	.2070	85
2052		Cookies & crackers	2	1	108.9	3.2026	94
2252		Hosiery n.e.c.	7	5	34.9	3.4327	91
2281		Yarn-spinning mills, except wool	4	4	114.9	2.6012	100
2824		Noncellulosic synthetic organic fibers	1	1	496.6	5.8437	100
2892		Explosives	1	1	69.0	7.8152	100
3321		Gray-iron foundries	5	4	163.0	1.9994	98
3443		Fabricated plate work (boiler shops)	6	6	309.9	3.5048	100
3494		Valves & pipe fittings	3	3	147.4	2.1317	100
Hancock		**All mfg.**	2		6.3	.0004	0
Hardeman		**All mfg.**	11	6	106.0	.0061	94
Hardin		**All mfg.**	15	6	186.0	.0108	86
Hawkins	126	**All mfg.**	6	6	111.9	.0065	100
Haywood		**All mfg.**	13	4	64.1	.0037	60
Henderson		**All mfg.**	14	9	169.7	.0098	83
Henry		**All mfg.**	20	12	236.2	.0137	91
Hickman		**All mfg.**	10	2	42.3	.0024	59
Houston		**All mfg.**	4	2	12.0	.0007	72
Humphreys		**All mfg.**	9	6	280.6	.0162	97
Jackson		**All mfg.**	5	3	38.5	.0022	82
Jefferson		**All mfg.**	19	6	187.4	.0108	89
2517		Wood TV & radio cabinets	1	1	56.3	15.0575	100
Johnson		**All mfg.**	8	4	143.7	.0083	93
2221		Synthetics- & silk-weaving mills	1	1	104.7	1.4293	100
Knox	135	**All mfg.**	217	76	1,911.2	.1106	81
2311		Men's & boys' suits & coats	9	7	89.4	2.4644	98
2327		Men's & boys' separate trousers	2	2	47.8	2.1930	100
2399		Fabricated textile products n.e.c.	2	1	88.7	6.4787	98
3079		Miscellaneous plastics products	8	5	71.9	.2805	90
3622		Industrial controls	1	1	56.4	1.7739	100
3823		Industrial process-control instruments	2	1	69.1	2.9239	97
Lake		**All mfg.**	9	3	93.3	.0054	28
Lauderdale		**All mfg.**	22	12	221.9	.0128	87
3079		Miscellaneous plastics products	3	2	74.6	.2910	98
Lawrence		**All mfg.**	22	6	304.7	.0176	84
3524		Lawn & garden equipment	1	1	68.3	4.0174	100
3751		Motorcycles, bicycles, & parts	1	1	119.4	9.9211	100
Lewis		**All mfg.**	7	4	61.8	.0036	93
Lincoln		**All mfg.**	14	10	407.4	.0236	92
2335		Women's & misses' dresses	4	4	97.5	1.8036	100
3585		Refrigeration & heating equipment	1	1	208.6	1.2051	100
Loudon		**All mfg.**	15	10	288.5	.0167	94
3714		Motor-vehicle parts & accessories	1	1	74.6	.2366	100
McMinn		**All mfg.**	39	26	511.0	.0296	95
2621		Paper mills, except building paper	1	1	164.4	.8844	100
McNairy		**All mfg.**	18	14	184.2	.0107	96
2321		Men's & boys' shirts & nightwear	7	7	72.5	1.9670	100

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants Total Plants	 Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Macon		All mfg.	15	6	99.3	.0057	77
Madison	121	All mfg.	62	22	725.4	.0420	83
Marion	54	All mfg.	15	9	121.5	.0070	84
Marshall		All mfg.	24	11	311.8	.0180	86
3585		Refrigeration & heating equipment	2	1	161.2	.9312	95
3952		Lead pencils & art goods	3	3	43.2	13.6622	100
Maury		All mfg.	48	17	585.3	.0339	79
Meigs		All mfg.	3	1	11.1	.0006	85
Monroe		All mfg.	20	6	99.1	.0057	65
Montgomery	58	All mfg.	23	10	489.3	.0283	92
3143		Men's nonathletic footwear	1	1	39.6	1.8141	100
3585		Refrigeration & heating equipment	1	1	285.0	1.6464	100
Moore		All mfg.	2	1	53.9	.0031	97
Morgan		All mfg.	6	4	37.9	.0022	88
Obion		All mfg.	19	8	493.9	.0286	94
3011		Tires & inner tubes	1	1	260.2	2.5445	100
Overton		All mfg.	11	5	73.4	.0042	73
2321		Men's & boys' shirts & nightwear	2	2	38.7	1.0500	100
Perry		All mfg.	7	3	46.6	.0027	76
Pickett		All mfg.	6	3	26.2	.0015	72
Polk		All mfg.	6	3	138.0	.0080	93
Putnam		All mfg.	56	21	405.8	.0235	79
3634		Electric housewares & fans	3	3	71.4	2.1731	100
Rhea		All mfg.	17	12	205.5	.0119	96
Roane		All mfg.	15	7	188.6	.0109	87
2251		Women's full- & knee-length hosiery	2	2	39.2	3.8244	100
Robertson	183	All mfg.	20	11	188.4	.0109	79
Rutherford	183	All mfg.	54	24	688.2	.0398	88
3011		Tires & inner tubes	1	1	137.3	1.3427	100
3621		Motors & generators	1	1	50.5	.8511	100
Scott		All mfg.	7	4	38.4	.0022	81
Sequatchie	54	All mfg.	10	3	41.8	.0024	63
Sevier		All mfg.	16	5	96.5	.0056	69
Shelby	169	All mfg.	481	143	6,271.2	.3630	81
2011		Meat-packing plants	7	4	350.2	.9026	87
2051		Bread, cake, & related products	11	5	100.7	.8976	88
2079		Shortening & cooking oils n.e.c.	3	3	438.7	8.4213	100
2511		Wood household furniture	6	3	55.5	1.1868	92
2643		Bags, except textile bags	5	3	154.4	3.5364	93
2647		Sanitary paper products	2	1	271.0	4.4373	98
2711		Newspapers	5	1	57.4	.3569	89
2819		Industrial inorganic chemicals n.e.c.	6	3	160.6	1.4913	93
2834		Pharmaceutical preparations	2	1	230.3	1.3888	98
3011		Tires & inner tubes	1	1	303.8	2.9709	100
3443		Fabricated plate work (boiler shops)	10	3	72.5	.8199	70
3523		Farm machinery & equipment	5	2	224.7	2.0351	96
3641		Electric lamps	1	1	128.5	6.3294	100
3931		Musical instruments & parts	2	2	42.5	3.9199	100
Smith		All mfg.	7	4	138.9	.0080	95
Stewart		All mfg.	1	1	10.9	.0006	100
Sullivan	126	All mfg.	65	31	2,405.3	.1392	95
2621		Paper mills, except building paper	1	1	144.8	.7790	100
2821		Plastics materials & synthetic resins	1	1	224.5	1.6370	100
2823		Cellulosic man-made fibers	1	1	392.5	29.4007	100
2869		Industrial organic chemicals n.e.c.	1	1	905.6	3.0028	100
2892		Explosives	1	1	78.4	8.8798	100
3483		Ammunition, except small-arms, n.e.c.	1	1	34.9	4.1131	100
3662		Radio & TV communication equipment	1	1	151.6	.6448	100
Sumner	183	All mfg.	44	19	431.2	.0250	73
Tipton	169	All mfg.	15	4	83.3	.0048	51
Trousdale		All mfg.	7	5	49.9	.0029	95
Unicoi	126	All mfg.	7	5	121.6	.0070	94
Union	135	All mfg.	5		14.1	.0008	0
Van Buren		All mfg.	4	3	37.7	.0022	93
Warren		All mfg.	25	13	508.3	.0294	93
3585		Refrigeration & heating equipment	1	1	208.6	1.2051	100
Washington	126	All mfg.	55	29	800.6	.0463	90
3661		Telephone & telegraph apparatus	1	1	161.7	1.2719	100
Wayne		All mfg.	12	9	97.7	.0057	97
Weakley		All mfg.	18	10	108.0	.0063	78
White		All mfg.	19	10	178.9	.0104	87

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants Total Plants	 Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Williamson	183	All mfg.	25	8	164.5	.0095	70
Wilson	183	All mfg.	35	10	308.6	.0179	77
3714		Motor-vehicle parts & accessories	1	1	88.1	.2794	100
State Total		All mfg.	2,952	1,213	37,593.3	2.1757	86
TEXAS							
Anderson		All mfg.	16	7	293.9	.0170	48
Andrews		All mfg.	1	1	19.4	.0011	100
Angelina		All mfg.	34	15	469.5	.0272	85
3321		Gray-iron foundries	2	2	210.0	2.5759	100
Aransas		All mfg.	2	1	13.8	.0008	70
Armstrong		All mfg.	1		2.9	.0002	0
Atascosa		All mfg.	2		9.3	.0005	0
Austin		All mfg.	13	1	67.4	.0039	12
Bailey		All mfg.	1		2.9	.0002	0
Bandera		All mfg.	1	1	5.8	.0003	100
Bastrop		All mfg.	7	2	35.5	.0021	58
Baylor		All mfg.	2	1	7.9	.0005	61
Bee		All mfg.	4		9.1	.0005	0
Bell	134	All mfg.	53	19	346.7	.0201	67
2531		Public-building & related furniture	4	4	39.6	4.4959	100
3079		Miscellaneous plastics products	5	4	66.8	.2606	97
Bexar	245	All mfg.	309	107	3,285.6	.1902	75
2011		Meat-packing plants	10	7	516.9	1.3323	92
2051		Bread, cake, & related products	9	6	75.2	.6703	91
2339		Women's & misses' outerwear n.e.c.	4	1	62.8	1.5658	86
2711		Newspapers	3	2	52.6	.3270	97
3441		Fabricated structural metal	9	4	51.9	.8421	82
3479		Metal coating & allied services n.e.c.	2	1	57.1	2.9182	95
3573		Electronic computing equipment	4	2	160.5	.6639	95
3585		Refrigeration & heating equipment	4	3	191.5	1.1063	95
Blanco		All mfg.	1		6.2	.0004	0
Bosque		All mfg.	8	4	47.9	.0028	81
Bowie	274	All mfg.	65	16	581.6	.0337	70
3011		Tires & inner tubes	1	1	101.9	.9965	100
Brazoria	114	All mfg.	54	15	4,185.7	.2423	92
2812		Alkalies & chlorine	2	2	100.6	4.7809	100
2821		Plastics materials & synthetic resins	3	2	187.0	1.3636	94
2869		Industrial organic chemicals n.e.c.	4	3	2,023.9	6.7109	99
Brazos	44	All mfg.	26	5	140.1	.0081	44
Brewster		All mfg.	1		3.1	.0002	0
Brooks		All mfg.	1		6.0	.0003	0
Brown		All mfg.	22	7	172.3	.0100	69
Burleson		All mfg.	3	2	17.3	.0010	79
Burnet		All mfg.	13	1	26.4	.0015	16
Caldwell		All mfg.	8	1	31.7	.0018	11
Calhoun		All mfg.	10	3	241.8	.0140	86
3334		Primary aluminum	1	1	181.7	2.7665	100
Cameron	43	All mfg.	79	32	1,062.2	.0615	75
2092		Fresh or frozen packaged seafoods	8	5	165.2	6.4784	94
2328		Men's & boys' work clothing	2	2	61.4	1.2947	100
3533		Oil-field machinery	2	2	111.6	2.3021	100
Camp		All mfg.	6	1	63.6	.0037	76
Carson		All mfg.	1		1.2	.0001	0
Cass		All mfg.	7	3	50.4	.0029	63
Castro		All mfg.	2	1	32.2	.0019	62
Chambers		All mfg.	3	1	359.7	.0208	64
Cherokee		All mfg.	42	13	269.1	.0156	60
Childress		All mfg.	3	2	24.5	.0014	93
Clay	293	All mfg.	2	1	8.9	.0005	92
Coleman		All mfg.	6	3	27.7	.0016	83
Collin	66	All mfg.	50	18	346.2	.0200	66
Collingsworth		All mfg.	1		8.9	.0005	0
Colorado		All mfg.	13	4	73.7	.0043	67
Comal	245	All mfg.	16	11	211.6	.0122	90
Comanche		All mfg.	10	3	100.9	.0058	65
Cooke		All mfg.	21	7	167.1	.0097	71
Coryell	134	All mfg.	3		8.8	.0005	0
Crane		All mfg.	3		8.7	.0005	0
Crockett		All mfg.	1		4.2	.0002	0

TEXAS (cont.)

County SIC	Metro Area	Industry	Number Of Plants		1980 (S&MM Est.)		
			Total Plants	Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Crosby		**All mfg.**	**1**		**2.8**	**.0002**	**0**
Culberson		**All mfg.**	**1**		**1.3**	**.0001**	**0**
Dallam		**All mfg.**	**1**		**3.6**	**.0002**	**0**
Dallas	**66**	**All mfg.**	**1,142**	**347**	**10,491.5**	**.6072**	**73**
2011		Meat-packing plants	8	3	307.8	.7934	83
2051		Bread, cake, & related products	11	5	106.0	.9448	84
2086		Bottled & canned soft drinks	7	3	102.1	.7881	80
2099		Food preparations n.e.c.	9	4	117.0	1.4532	76
2327		Men's & boys' separate trousers	4	1	83.8	3.8446	94
2335		Women's & misses' dresses	35	19	298.6	5.5235	86
2641		Paper coating & glazing	9	2	98.1	2.3025	73
2642		Envelopes	8	6	51.1	4.1579	89
2653		Corrugated & solid fiber boxes	21	9	149.1	1.7709	65
2711		Newspapers	10	4	140.0	.8704	89
2731		Book publishing	4	2	87.0	1.4261	95
2751		Letterpress commercial printing	39	10	92.1	1.6850	63
2752		Lithographic commercial printing	15	3	94.4	.8019	45
2841		Soap & other detergents	10	1	265.5	3.3366	61
2851		Paints & allied products	16	4	154.7	1.8247	62
3079		Miscellaneous plastics products	52	11	288.3	1.1247	59
3443		Fabricated plate work (boiler shops)	17	5	113.6	1.2847	66
3444		Sheet-metal work	28	3	106.6	1.8490	49
3532		Mining machinery	4	2	78.2	2.8268	91
3533		Oil-field machinery	12	10	374.2	7.7190	98
3559		Special-industry machinery n.e.c.	7	3	104.9	1.6575	86
3573		Electronic computing equipment	10	5	221.6	.9166	89
3585		Refrigeration & heating equipment	12	4	560.7	3.2391	90
3644		Non-current-carrying wiring devices	4	1	90.3	5.1412	83
3661		Telephone & telegraph apparatus	8	5	248.8	1.9570	94
3662		Radio & TV communication equipment	28	9	299.5	1.2739	77
3674		Semiconductors & related devices	10	6	532.6	7.0895	98
3679		Electronic components n.e.c.	8	1	63.8	.8411	80
3691		Storage batteries	6	5	88.3	3.6031	97
3714		Motor-vehicle parts & accessories	13	10	152.1	.4824	94
3721		Aircraft	3	2	236.3	1.0350	97
3728		Aircraft equipment n.e.c.	7	6	96.2	1.3098	98
Dawson		**All mfg.**	**4**	**2**	**29.2**	**.0017**	**53**
Deaf Smith		**All mfg.**	**15**	**2**	**191.9**	**.0111**	**69**
Delta		**All mfg.**	**2**		**5.5**	**.0003**	**0**
Denton	**66**	**All mfg.**	**43**	**20**	**293.2**	**.0170**	**75**
De Witt		**All mfg.**	**5**	**2**	**34.7**	**.0020**	**53**
Dickens		**All mfg.**	**1**		**1.3**	**.0001**	**0**
Dimmit		**All mfg.**	**2**	**1**	**133.4**	**.0077**	**7**
Donley		**All mfg.**	**1**		**1.2**	**.0001**	**0**
Duval		**All mfg.**	**1**		**3.8**	**.0002**	**0**
Eastland		**All mfg.**	**15**	**3**	**106.7**	**.0062**	**73**
Ector	**197**	**All mfg.**	**81**	**14**	**599.6**	**.0347**	**66**
Edwards		**All mfg.**	**1**		**2.6**	**.0002**	**0**
Ellis	**66**	**All mfg.**	**49**	**19**	**419.9**	**.0243**	**78**
El Paso	**81**	**All mfg.**	**178**	**89**	**3,024 2**	**.1750**	**91**
2321		Men's & boys' shirts & nightwear	6	6	63.0	1.7093	100
2327		Men's & boys' separate trousers	18	17	194.8	8.9370	100
2328		Men's & boys' work clothing	9	8	226.5	4.7760	98
3143		Men's nonathletic footwear	6	4	53.7	2.4600	92
3331		Primary copper	2	2	299.2	5.5733	100
3444		Sheet-metal work	7	4	48.8	.8465	90
Erath		**All mfg.**	**8**	**4**	**61.3**	**.0035**	**73**
Falls		**All mfg.**	**7**	**2**	**62.1**	**.0036**	**82**
Fannin		**All mfg.**	**12**	**5**	**218.9**	**.0127**	**93**
Fayette		**All mfg.**	**11**	**2**	**79.0**	**.0046**	**33**
Fisher		**All mfg.**	**1**	**1**	**19.2**	**.0011**	**100**
Floyd		**All mfg.**	**2**		**11.7**	**.0007**	**0**
Foard		**All mfg.**	**1**		**.9**	**.0001**	**0**
Fort Bend	**114**	**All mfg.**	**42**	**18**	**939.6**	**.0544**	**90**
3494		Valves & pipe fittings	3	2	68.9	.9964	93
3573		Electronic computing equipment	2	1	382.7	1.5830	98
Franklin		**All mfg.**	**3**	**1**	**12.1**	**.0007**	**68**
Freestone		**All mfg.**	**4**		**13.2**	**.0008**	**0**
Frio		**All mfg.**	**1**		**4.2**	**.0002**	**0**
Gaines		**All mfg.**	**1**		**3.3**	**.0002**	**0**
Galveston	**99**	**All mfg.**	**47**	**17**	**5,721.6**	**.3311**	**98**
2821		Plastics materials & synthetic resins	2	2	299.4	2.1832	100
2869		Industrial organic chemicals n.e.c.	3	3	1,085.1	3.5980	100
2911		Petroleum refining	2	2	3,396.7	2.4914	100
3731		Ship building & repairing	4	3	100.2	1.2251	98
Garza		**All mfg.**	**1**	**1**	**12.0**	**.0007**	**100**
Gillespie		**All mfg.**	**8**	**1**	**52.7**	**.0031**	**37**
Gonzales		**All mfg.**	**9**	**5**	**107.4**	**.0062**	**47**
Gray		**All mfg.**	**11**	**5**	**179.2**	**.0104**	**88**
Grayson	**257**	**All mfg.**	**62**	**32**	**1,104.6**	**.0639**	**87**
3674		Semiconductors & related devices	1	1	138.6	1.8449	100
3842		Surgical appliances & supplies	1	1	63.0	1.6761	100
Gregg	**155**	**All mfg.**	**95**	**29**	**1,211.7**	**.0701**	**71**
2869		Industrial organic chemicals n.e.c.	1	1	301.8	1.0007	100
3532		Mining machinery	1	1	66.3	2.3966	100
Grimes		**All mfg.**	**9**	**4**	**70.0**	**.0041**	**78**
Guadalupe	**245**	**All mfg.**	**17**	**5**	**186.7**	**.0108**	**82**
3651		Radio & TV receiving sets	1	1	85.8	1.2695	100
Hale		**All mfg.**	**21**	**5**	**287.3**	**.0166**	**78**
Hall		**All mfg.**	**1**		**1.8**	**.0001**	**0**
Hamilton		**All mfg.**	**5**	**1**	**17.1**	**.0010**	**39**
Hardeman		**All mfg.**	**4**	**2**	**59.3**	**.0034**	**95**
Hardin	**29**	**All mfg.**	**8**	**4**	**500.4**	**.0290**	**73**
2421		General sawmills & planing mills	4	2	80.2	.6435	90
2631		Paperboard mills	1	1	251.1	2.3946	100
Harris	**114**	**All mfg.**	**1,344**	**393**	**25,014.8**	**1.4478**	**86**
2044		Rice milling	5	5	637.0	40.3752	100
2051		Bread, cake, & related products	8	4	86.1	.7675	85
2095		Roasted coffee	3	3	628.1	8.8090	100
2611		Pulp mills	1	1	141.3	4.6282	100
2621		Paper mills, except building paper	2	2	263.3	1.4165	100
2653		Corrugated & solid fiber boxes	11	6	101.6	1.2067	79
2711		Newspapers	8	3	140.1	.8710	92
2751		Letterpress commercial printing	30	9	84.1	1.5387	71
2812		Alkalies & chlorine	7	4	272.4	12.9455	97
2819		Industrial inorganic chemicals n.e.c.	14	4	209.2	1.9426	75
2821		Plastics materials & synthetic resins	21	15	810.7	5.9116	94
2822		Synthetic rubber	3	3	194.6	8.0908	100
2851		Paints & allied products	22	2	171.1	2.0182	28
2865		Cyclic crudes & intermediates	11	4	412.5	6.0827	81
2869		Industrial organic chemicals n.e.c.	25	9	1,608.2	5.3325	84
2899		Chemical preparations n.e.c.	16	2	146.5	2.7476	56
2911		Petroleum refining	7	5	9,170.5	5.8633	98
3079		Miscellaneous plastics products	53	9	237.9	.9281	50
3293		Gaskets, packing, & sealing devices	12	3	72.3	3.7249	63
3312		Blast furnaces & steel mills	3	2	874.7	1.7299	99
3317		Steel pipe & tubes	15	6	128.4	4.0120	80
3411		Metal cans	5	4	214.3	2.5176	98
3441		Fabricated structural metal	28	9	169.7	2.7536	76
3443		Fabricated plate work (boiler shops)	48	20	426.0	4.8178	81
3444		Sheet-metal work	32	8	134.7	2.3364	55
3448		Prefabricated metal buildings	13	9	228.8	10.4147	94
3449		Miscellaneous metal work	15	5	74.6	4.9215	69
3452		Bolts, nuts, rivets, & washers	11	4	76.8	1.9541	70
3462		Iron & steel forgings	8	4	108.5	3.1215	84
3463		Nonferrous forgings	1	1	120.0	20.4708	100
3479		Metal coating & allied services n.e.c.	15	5	145.7	7.4462	82
3494		Valves & pipe fittings	57	20	557.0	8.0554	78
3496		Miscellaneous fabricated wire products	14	3	31.0	1.7184	52
3498		Fabricated pipe & fittings	17	5	158.3	7.4330	73
3533		Oil-field machinery	69	31	1,140.0	23.5158	88
3536		Hoists, industrial cranes, & monorails	6	4	64.1	5.8432	96

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
3561		Pumps & pumping equipment	12	3	49.1	1.4581	60
3564		Blowers & exhaust & ventilation fans	11	3	35.5	2.8181	64
3573		Electronic computing equipment	6	4	164.7	.6812	96
3599		Machinery, except electrical, n.e.c.	42	4	153.0	1.3913	34
3662		Radio & TV communication equipment	9	3	105.9	.4504	76
3674		Semiconductors & related devices	1	1	138.6	1.8449	100
3731		Ship building & repairing	10	4	102.4	1.2520	88
3811		Engineering & scientific instruments	8	3	48.7	1.7674	78
3823		Industrial process-control instruments	16	3	66.1	2.7969	51
Harrison	155	All mfg.	36	11	320.2	.0185	68
3483		Ammunition, except small-arms, n.e.c.	1	1	28.0	3.2999	100
Hartley		All mfg.	1		1.8	.0001	0
Hays	22	All mfg.	15	3	89.4	.0052	47
Hemphill		All mfg.	1		3.9	.0002	0
Henderson		All mfg.	14	5	119.4	.0069	84
Hidalgo	161	All mfg.	66	27	673.2	.0390	77
2033		Canned fruits & vegetables	9	8	128.6	1.6618	98
2327		Men's & boys' separate trousers	2	2	33.6	1.5415	100
Hill		All mfg.	14	5	85.7	.0050	62
Hockley		All mfg.	4		20.4	.0012	0
Hood	66	All mfg.	3		17.7	.0010	0
Hopkins		All mfg.	18	5	191.1	.0111	54
Houston		All mfg.	19	7	279.2	.0162	83
2621		Paper mills, except building paper	1	1	144.8	.7790	100
Howard		All mfg.	24	6	922.0	.0534	94
Hunt		All mfg.	32	17	599.1	.0347	93
2341		Women's & children's underwear	4	3	64.4	2.8299	99
3721		Aircraft	2	2	362.6	1.5882	100
Hutchinson		All mfg.	17	6	680.1	.0394	92
Jack		All mfg.	3		8.4	.0005	0
Jackson		All mfg.	1		1.4	.0001	0
Jasper		All mfg.	10	5	116.7	.0068	91
Jefferson	29	All mfg.	102	43	17,246.4	.9981	98
2822		Synthetic rubber	3	3	127.4	5.2969	100
2869		Industrial organic chemicals n.e.c.	9	6	823.5	2.7306	95
2911		Petroleum refining	6	6	15,395.5	9.8433	100
3731		Ship building & repairing	3	3	165.5	2.0235	100
Jim Wells		All mfg.	10	2	63.4	.0037	19
Johnson	66	All mfg.	35	10	261.8	.0152	76
Jones	1	All mfg.	5	3	37.6	.0022	48
Karnes		All mfg.	6	1	50.0	.0029	42
Kaufman	66	All mfg.	23	8	117.6	.0068	54
Kendall		All mfg.	2	1	14.1	.0008	74
Kerr		All mfg.	10	4	85.1	.0049	83
Kimble		All mfg.	2	1	12.3	.0007	57
Kleberg		All mfg.	3	1	26.6	.0015	81
Lamar		All mfg.	20	10	289.7	.0168	89
2033		Canned fruits & vegetables	2	1	65.5	.8464	97
Lamb		All mfg.	2	1	25.0	.0014	97
Lampasas		All mfg.	5	3	31.2	.0018	73
Lavaca		All mfg.	23	8	117.7	.0068	38
Lee		All mfg.	3	1	21.9	.0013	63
Leon		All mfg.	3	2	69.0	.0040	92
Liberty	114	All mfg.	13	4	123.8	.0072	66
Limestone		All mfg.	7	3	35.6	.0021	69
Live Oak		All mfg.	2		73.4	.0042	0
Llano		All mfg.	1		1.3	.0001	0
Lubbock	159	All mfg.	94	26	895.4	.0518	73
3531		Construction machinery	3	2	131.9	.8118	94
3873		Watches, clocks, & watchcases	1	1	42.6	3.3753	100
McCulloch		All mfg.	7	1	26.0	.0015	54
McLennan	286	All mfg.	128	44	970.5	.0562	74
3011		Tires & inner tubes	1	1	140.0	1.3691	100
3221		Glass containers	1	1	63.8	2.2756	100
Madison		All mfg.	3	2	17.6	.0010	89
Marion		All mfg.	3		8.6	.0005	0
Martin		All mfg.	1		3.1	.0002	0
Matagorda		All mfg.	7	3	180.6	.0105	90
Maverick		All mfg.	9	6	122.7	.0071	82
2328		Men's & boys' work clothing	5	5	91.1	1.9209	100
Medina		All mfg.	5	3	66.0	.0038	84
Midland	173	All mfg.	24	10	238.2	.0138	85

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
3574		Calculating & accounting machines	1	1	76.1	4.8826	100
Milam		All mfg.	11	4	320.7	.0186	91
3334		Primary aluminum	1	1	272.4	4.1474	100
Mills		All mfg.	2		3.7	.0002	0
Mitchell		All mfg.	1	1	8.2	.0005	100
Montague		All mfg.	13	5	47.5	.0027	62
Montgomery	114	All mfg.	24	4	167.3	.0097	48
Moore		All mfg.	10	3	575.2	.0333	93
Morris		All mfg.	14	4	642.1	.0372	94
3312		Blast furnaces & steel mills	1	1	579.6	1.1463	100
Nacogdoches		All mfg.	19	9	234.7	.0136	82
Navarro		All mfg.	28	8	186.5	.0108	63
Newton		All mfg.	2		8.9	.0005	0
Nolan		All mfg.	16	9	232.7	.0135	90
Nueces	65	All mfg.	85	25	3,318.0	.1920	84
2911		Petroleum refining	8	4	2,556.6	1.6346	88
Ochiltree		All mfg.	2	1	39.5	.0023	93
Orange	29	All mfg.	33	14	1,052.9	.0609	90
2821		Plastics materials & synthetic resins	3	2	416.3	3.0356	97
2822		Synthetic rubber	2	2	114.5	4.7605	100
3317		Steel pipe & tubes	1	1	107.8	3.3683	100
3731		Ship building & repairing	3	1	131.8	1.6115	94
Palo Pinto		All mfg.	24	9	116.3	.0067	66
Panola		All mfg.	7	5	66.9	.0039	88
Parker	66	All mfg.	14	2	51.4	.0030	40
Parmer		All mfg.	5	1	157.6	.0091	83
Pecos		All mfg.	1		1.9	.0001	0
Polk		All mfg.	5	4	85.4	.0049	93
Potter	9	All mfg.	74	16	2,531.9	.1465	93
2011		Meat-packing plants	2	1	390.4	1.0063	95
2911		Petroleum refining	2	2	1,651.0	1.0556	100
3483		Ammunition, except small-arms, n.e.c.	1	1	56.0	6.5999	100
Rains		All mfg.	3		7.7	.0004	0
Randall	9	All mfg.	5	1	31.9	.0018	11
Red River		All mfg.	10	5	61.1	.0035	78
Reeves		All mfg.	2		15.9	.0009	0
Robertson		All mfg.	7	1	73.1	.0042	14
Rockwall	66	All mfg.	4	2	97.4	.0056	93
Runnels		All mfg.	10	1	104.5	.0060	22
Rusk		All mfg.	23	5	164.4	.0095	38
Sabine		All mfg.	1	1	18.7	.0011	100
San Augustine		All mfg.	3		11.5	.0007	0
San Patricio	65	All mfg.	19	5	554.5	.0321	62
San Saba		All mfg.	2		4.7	.0003	0
Scurry		All mfg.	7	2	43.2	.0025	63
Shackelford		All mfg.	2		5.5	.0003	0
Shelby		All mfg.	12	4	157.0	.0091	83
2016		Poultry-dressing plants	2	2	97.0	1.3554	100
Sherman		All mfg.	1		5.3	.0003	0
Smith	281	All mfg.	65	23	1,715.8	.0993	91
3011		Tires & inner tubes	2	2	311.2	3.0433	100
3321		Gray-iron foundries	1	1	150.0	1.8399	100
3585		Refrigeration & heating equipment	2	2	451.9	2.6106	100
Stephens		All mfg.	6	1	27.8	.0016	31
Swisher		All mfg.	5	1	28.0	.0016	28
Tarrant	66	All mfg.	598	172	7,370.0	.4265	78
2451		Mobile homes	10	5	101.0	2.9949	80
2711		Newspapers	7	4	92.7	.5763	91
3069		Fabricated rubber products n.e.c.	9	3	46.0	1.0003	78
3079		Miscellaneous plastics products	34	9	181.7	.7089	56
3325		Steel foundries n.e.c.	1	1	82.7	3.1838	100
3441		Fabricated structural metal	13	5	52.2	.8470	62
3444		Sheet-metal work	19	4	62.2	1.0789	46
3483		Ammunition, except small-arms, n.e.c.	1	1	33.5	3.9481	100
3533		Oil-field machinery	6	4	114.3	2.3578	88
3585		Refrigeration & heating equipment	19	6	420.9	2.4315	79
3662		Radio & TV communication equipment	3	2	152.9	.6504	96
3711		Motor vehicles & passenger-car bodies	2	1	911.1	1.3552	99
3721		Aircraft	3	3	1,614.1	7.0696	100
3728		Aircraft equipment n.e.c.	7	5	95.2	1.2962	93
Taylor	1	All mfg.	53	15	686.1	.0397	55
Terry		All mfg.	4	1	72.5	.0042	84

1980 (S&MM Est.)

TEXAS (cont.)

County / SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
Titus		**All mfg.**	**7**	**4**	**205.9**	**.0119**	**37**
Tom Green	**244**	**All mfg.**	**31**	**12**	**335.8**	**.0194**	**73**
3842		Surgical appliances & supplies	1	1	63.0	1.6761	100
Travis	**22**	**All mfg.**	**145**	**26**	**1,542.9**	**.0893**	**75**
3572		Typewriters	1	1	389.8	15.1661	100
3573		Electronic computing equipment	3	1	279.8	1.1573	96
3662		Radio & TV communication equipment	6	3	129.4	.5504	87
Trinity		**All mfg.**	**4**	**1**	**137.4**	**.0080**	**7**
Tyler		**All mfg.**	**9**	**1**	**71.3**	**.0041**	**24**
Upshur		**All mfg.**	**5**	**2**	**37.3**	**.0022**	**49**
Uvalde		**All mfg.**	**9**	**3**	**47.6**	**.0028**	**48**
Val Verde		**All mfg.**	**6**	**2**	**92.9**	**.0054**	**90**
Van Zandt		**All mfg.**	**7**	**2**	**46.0**	**.0027**	**68**
Victoria	**284**	**All mfg.**	**19**	**6**	**275.8**	**.0160**	**81**
2821		Plastics materials & synthetic resins	1	1	164.7	1.2010	100
Walker		**All mfg.**	**8**		**23.4**	**.0014**	**0**
Waller	**114**	**All mfg.**	**1**		**9.2**	**.0005**	**0**
Ward		**All mfg.**	**1**		**5.1**	**.0003**	**0**
Washington		**All mfg.**	**17**	**4**	**64.4**	**.0037**	**56**
Webb	**144**	**All mfg.**	**27**	**10**	**203.8**	**.0118**	**66**
Wharton		**All mfg.**	**9**	**4**	**69.1**	**.0040**	**71**
Wheeler		**All mfg.**	**1**		**12.3**	**.0007**	**0**
Wichita	**293**	**All mfg.**	**65**	**25**	**642.2**	**.0372**	**78**
3211		Flat glass	1	1	79.9	3.3445	100
Wilbarger		**All mfg.**	**6**	**3**	**44.0**	**.0025**	**53**
Willacy		**All mfg.**	**6**	**2**	**31.8**	**.0018**	**49**
Williamson	**22**	**All mfg.**	**37**	**10**	**244.3**	**.0141**	**65**
Wilson		**All mfg.**	**3**	**1**	**14.1**	**.0008**	**51**
Winkler		**All mfg.**	**2**		**2.9**	**.0002**	**0**
Wise	**66**	**All mfg.**	**13**	**2**	**39.0**	**.0023**	**28**
Wood		**All mfg.**	**5**	**2**	**26.5**	**.0015**	**62**
Yoakum		**All mfg.**	**1**		**4.9**	**.0003**	**0**
Young		**All mfg.**	**11**	**5**	**66.3**	**.0038**	**54**
Zavala		**All mfg.**	**1**	**1**	**53.9**	**.0031**	**100**
State Total		**All mfg.**	**6,729**	**2,135**	**114,975.8**	**6.6543**	**84**

UTAH

County / SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
Beaver		**All mfg.**	**1**		**2.4**	**.0001**	**0**
Box Elder		**All mfg.**	**11**	**4**	**221.4**	**.0128**	**92**
3724		Aircraft engines & engine parts	1	1	173.4	1.6014	100
Cache		**All mfg.**	**30**	**14**	**690.7**	**.0400**	**87**
2022		Natural & processed cheese	4	4	341.2	3.7902	100
Carbon		**All mfg.**	**4**	**2**	**14.7**	**.0009**	**78**
Davis	**243**	**All mfg.**	**42**	**14**	**703.2**	**.0407**	**55**
Duchesne		**All mfg.**	**3**		**7.0**	**.0004**	**0**
Emery		**All mfg.**	**1**		**6.0**	**.0003**	**0**
Garfield		**All mfg.**	**1**	**1**	**16.0**	**.0009**	**100**
Grand		**All mfg.**	**2**	**1**	**14.4**	**.0008**	**92**
Iron		**All mfg.**	**5**	**1**	**33.8**	**.0020**	**32**
Juab		**All mfg.**	**5**	**4**	**43.7**	**.0025**	**97**
Kane		**All mfg.**	**1**		**3.2**	**.0002**	**0**
Millard		**All mfg.**	**4**		**15.1**	**.0009**	**0**
Morgan		**All mfg.**	**4**	**1**	**32.2**	**.0019**	**77**
Piute		**All mfg.**	**1**	**1**	**8.9**	**.0005**	**100**
Rich		**All mfg.**	**1**		**5.0**	**.0003**	**0**
Salt Lake	**243**	**All mfg.**	**389**	**96**	**5,078.2**	**.2939**	**82**
2026		Fluid milk	7	4	213.6	1.2696	89
2331		Women's & misses' blouses	4	3	80.8	2.7658	95
2711		Newspapers	4	3	59.6	.3705	93
3331		Primary copper	1	1	422.1	7.8625	100
3441		Fabricated structural metal	22	4	72.6	1.1780	48
3532		Mining machinery	4	2	77.3	2.7942	91
3573		Electronic computing equipment	3	3	369.3	1.5275	100
3589		Service-industry machinery n.e.c.	1	1	121.0	4.0387	100
3724		Aircraft engines & engine parts	1	1	202.3	1.8684	100
3841		Surgical & medical instruments	4	2	132.9	5.1582	97
San Juan		**All mfg.**	**5**	**1**	**28.9**	**.0017**	**16**
Sanpete		**All mfg.**	**7**	**3**	**37.4**	**.0022**	**73**
Sevier		**All mfg.**	**9**	**1**	**90.1**	**.0052**	**21**
Summit		**All mfg.**	**5**	**1**	**34.5**	**.0020**	**69**
Tooele	**243**	**All mfg.**	**8**	**1**	**34.4**	**.0020**	**22**
Uintah		**All mfg.**	**5**		**18.1**	**.0010**	**0**
Utah	**221**	**All mfg.**	**67**	**22**	**1,172.7**	**.0679**	**85**
3312		Blast furnaces & steel mills	1	1	724.7	1.4332	100
Wasatch		**All mfg.**	**2**	**1**	**16.6**	**.0010**	**67**
Washington		**All mfg.**	**8**	**3**	**47.5**	**.0027**	**67**
Weber	**243**	**All mfg.**	**58**	**24**	**662.3**	**.0383**	**77**
State Total		**All mfg.**	**679**	**196**	**9,038.4**	**.5231**	**79**

VERMONT

County / SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
Addison		**All mfg.**	**16**	**6**	**154.7**	**.0090**	**72**
Bennington		**All mfg.**	**44**	**16**	**321.8**	**.0186**	**74**
Caledonia		**All mfg.**	**25**	**5**	**122.3**	**.0071**	**49**
Chittenden	**47**	**All mfg.**	**60**	**20**	**561.8**	**.0325**	**68**
3679		Electronic components n.e.c.	3	1	140 0	1.8456	98
Essex		**All mfg.**	**4**	**3**	**48.7**	**.0028**	**98**
Franklin		**All mfg.**	**27**	**7**	**266.8**	**.0154**	**70**
Grand Isle		**All mfg.**	**1**		**.7**	**.0000**	**0**
Lamoille		**All mfg.**	**13**	**1**	**24.8**	**.0014**	**24**
Orange		**All mfg.**	**18**	**7**	**86.0**	**.0050**	**73**
Orleans		**All mfg.**	**19**	**7**	**136.2**	**.0079**	**55**
Rutland		**All mfg.**	**43**	**11**	**367.5**	**.0213**	**77**
3724		Aircraft engines & engine parts	2	1	180.3	1.6652	96
Washington		**All mfg.**	**55**	**7**	**152.6**	**.0088**	**40**
3281		Cut stone & stone products	28	4	37.7	6.3170	48
Windham		**All mfg.**	**49**	**14**	**368.3**	**.0213**	**72**
2732		Book printing	2	1	81.6	3.9019	94
Windsor		**All mfg.**	**41**	**13**	**233.8**	**.0135**	**70**
3541		Metal-cutting machine tools	4	4	87.9	3.7228	100
State Total		**All mfg.**	**415**	**117**	**2,846.0**	**.1647**	**68**

VIRGINIA

County / SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
Accomack		**All mfg.**	**12**	**6**	**141.0**	**.0082**	**85**
Albemarle		**All mfg.**	**31**	**16**	**539.7**	**.0312**	**92**
2037		Frozen fruits & vegetables	1	1	70.0	1.6615	100
3662		Radio & TV communication equipment	2	1	93.7	.3986	93
Alleghany		**All mfg.**	**10**	**5**	**529.0**	**.0306**	**97**
2631		Paperboard mills	1	1	251.1	2.3946	100
2819		Industrial inorganic chemicals n.e.c.	2	1	210.2	1.9519	98
Amelia		**All mfg.**	**4**		**10.1**	**.0006**	**0**
Amherst	**160**	**All mfg.**	**9**	**1**	**49.5**	**.0029**	**49**
Appomattox	**160**	**All mfg.**	**4**	**2**	**18.3**	**.0011**	**83**
Arlington	**287**	**All mfg.**	**52**	**10**	**330.9**	**.0192**	**67**
2731		Book publishing	1	1	85.4	1.3999	100
Augusta		**All mfg.**	**42**	**14**	**850.5**	**.0492**	**92**
2824		Noncellulosic synthetic organic fibers	2	2	392.2	4.6151	100
3613		Switchgear & switchboard apparatus	2	1	123.0	2.6405	97
Bath		**All mfg.**	**1**		**2.2**	**.0001**	**0**
Bedford		**All mfg.**	**13**	**6**	**206.6**	**.0120**	**78**
3069		Fabricated rubber products n.e.c.	1	1	53.2	1.1569	100
Bland		**All mfg.**	**1**	**1**	**8.9**	**.0005**	**100**
Botetourt	**232**	**All mfg.**	**8**	**3**	**47.0**	**.0027**	**74**
Brunswick		**All mfg.**	**12**	**4**	**73.7**	**.0043**	**46**
Buchanan		**All mfg.**	**4**		**13.8**	**.0008**	**0**
Buckingham		**All mfg.**	**4**	**1**	**14.2**	**.0008**	**67**
Campbell	**160**	**All mfg.**	**93**	**39**	**1,447.5**	**.0838**	**86**
2492		Particleboard	1	1	66.2	12.8644	100

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
2819		Industrial inorganic chemicals n.e.c.	1	1	120.9	1.1227	100
3321		Gray-iron foundries	3	3	170.9	2.0963	100
3662		Radio & TV communication equipment	1	1	346.5	1.4738	100
Caroline		All mfg.	8	1	30.9	.0018	18
Carroll		All mfg.	8	3	77.7	.0045	82
Charlotte		All mfg.	9	4	69.1	.0040	80
Chesterfield	230	All mfg.	19	2	63.7	.0037	16
Clarke		All mfg.	3	3	55.8	.0032	100
Culpeper		All mfg.	9	6	67.0	.0039	83
Dickenson		All mfg.	1	1	11.6	.0007	100
Dinwiddie	210	All mfg.	32	12	1,417.2	.0820	95
2111		Cigarettes	1	1	1,054.7	10.4572	100
Essex		All mfg.	4	2	42.9	.0025	91
Fairfax	287	All mfg.	82	27	696.6	.0403	72
3662		Radio & TV communication equipment	9	5	149.0	.6338	90
Fauquier		All mfg.	8	1	27.6	.0016	22
Floyd		All mfg.	4	3	35.1	.0020	97
Fluvanna		All mfg.	2	1	39.3	.0023	82
Franklin		All mfg.	25	12	264.6	.0153	83
Frederick		All mfg.	36	18	411.5	.0238	83
Giles		All mfg.	6	2	88.1	.0051	82
2823		Cellulosic man-made fibers	1	1	68.0	5.0936	100
Gloucester	193	All mfg.	7		18.4	.0011	0
Goochland	230	All mfg.	1		1.3	.0001	0
Grayson		All mfg.	23	11	224.3	.0130	80
2511		Wood household furniture	3	3	51.2	1.0948	100
Greensville		All mfg.	16	6	92.7	.0054	67
Halifax		All mfg.	14	10	179.3	.0104	95
Hampton Ind. City	193	All mfg.	28	5	145.5	.0084	38
Hanover	230	All mfg.	26	3	91.1	.0053	25
Henrico	230	All mfg.	250	89	4,908.1	.2841	90
2052		Cookies & crackers	3	3	156.2	4.5936	100
2111		Cigarettes	2	2	1,772.0	17.5691	100
2643		Bags, except textile bags	6	3	95.4	2.1851	83
2751		Letterpress commercial printing	10	2	34.4	.6294	72
2752		Lithographic commercial printing	15	2	99.2	.8426	49
2824		Noncellulosic synthetic organic fibers	1	1	360.1	4.2374	100
2834		Pharmaceutical preparations	2	1	181.1	1.0921	97
3079		Miscellaneous plastics products	5	2	121.1	.4724	91
3559		Special-industry machinery n.e.c.	9	5	81.4	1.2862	84
3661		Telephone & telegraph apparatus	1	1	80.8	.6356	100
Henry		All mfg.	52	32	1,387.6	.0803	96
2211		Cotton-weaving mills	1	1	46.7	.8905	100
2253		Knit-outerwear mills	4	4	139.2	5.2642	100
2321		Men's & boys' shirts & nightwear	1	1	56.6	1.5356	100
2492		Particleboard	1	1	40.3	7.8313	100
2511		Wood household furniture	7	7	269.3	5.7586	100
2824		Noncellulosic synthetic organic fibers	1	1	496.6	5.8437	100
Highland		All mfg.	2	1	7.2	.0004	67
Isle of Wight		All mfg.	5	3	539.1	.0312	97
2011		Meat-packing plants	2	2	508.2	1.3099	100
James City	193	All mfg.	4	1	21.1	.0012	51
King and Queen		All mfg.	2		4.1	.0002	0
King George		All mfg.	2	1	16.2	.0009	85
King William		All mfg.	3	1	114.7	.0066	94
Lancaster		All mfg.	9		38.2	.0022	0
Lee		All mfg.	6	2	34.8	.0020	53
Loudoun	287	All mfg.	11	1	52.9	.0031	5
Louisa		All mfg.	8	2	35.4	.0020	66
Lunenburg		All mfg.	14	7	86.1	.0050	75
Madison		All mfg.	6	1	23.3	.0013	59
Mathews		All mfg.	1		2.7	.0002	0
Mecklenburg		All mfg.	21	12	195.8	.0113	85
Montgomery		All mfg.	27	15	516.5	.0299	89
2892		Explosives	1	1	213.3	24.1590	100
3621		Motors & generators	3	3	63.1	1.0634	100
Nelson		All mfg.	7	2	53.5	.0031	83
3281		Cut stone & stone products	2	1	37.3	6.2500	98
New Kent	230	All mfg.	4		24.0	.0014	0
Newport News I. C.	193	All mfg.	33	16	1,286.5	.0745	96
3731		Ship building & repairing	2	2	964.7	11.7953	100
Norfolk	195	All mfg.	147	48	2,114.5	.1224	81
2435		Hardwood veneer & plywood	4	3	47.3	3.2162	94
2711		Newspapers	2	1	54.6	.3395	94
3651		Radio & TV receiving sets	1	1	257.5	3.8100	100
3711		Motor vehicles & passenger-car bodies	1	1	401.9	.5978	100
3731		Ship building & repairing	6	6	166.5	2.0358	100
Northampton		All mfg.	6	4	45.3	.0026	88
Northumberland		All mfg.	9	1	118.6	.0069	67
Nottoway		All mfg.	14	6	86.2	.0050	66
Orange		All mfg.	17	5	151.1	.0087	77
Page		All mfg.	8	5	180.2	.0104	94
2328		Men's & boys' work clothing	2	1	86.6	1.8260	95
Patrick		All mfg.	7	5	58.9	.0034	93
Pittsylvania	68	All mfg.	48	22	852.3	.0493	90
2211		Cotton-weaving mills	1	1	128.8	2.4560	100
3011		Tires & inner tubes	1	1	186.3	1.8219	100
3524		Lawn & garden equipment	1	1	54.7	3.2175	100
Powhatan	230	All mfg.	4		9.4	.0005	0
Prince Edward		All mfg.	8	4	57.0	.0033	86
Prince George	210	All mfg.	18	9	1,181.7	.0684	97
2812		Alkalies & chlorine	1	1	120.7	5.7361	100
2824		Noncellulosic synthetic organic fibers	2	2	316.5	3.7244	100
2869		Industrial organic chemicals n.e.c.	1	1	452.7	1.5011	100
Prince William	287	All mfg.	17	3	301.6	.0175	86
3679		Electronic components n.e.c.	1	1	68.4	.9017	100
Pulaski		All mfg.	21	10	229.7	.0133	88
2511		Wood household furniture	3	2	78.2	1.6722	98
Rappahannock		All mfg.	1	1	9.4	.0005	100
Richmond		All mfg.	5	2	57.0	.0033	89
Roanoke	232	All mfg.	116	39	1,349.2	.0781	80
2511		Wood household furniture	2	2	49.3	1.0542	100
3622		Industrial controls	1	1	169.4	5.3280	100
Rockbridge		All mfg.	15	5	189.6	.0110	75
2272		Tufted carpets & rugs	1	1	108.6	2.1308	100
Rockingham		All mfg.	45	20	561.4	.0325	82
2016		Poultry-dressing plants	3	3	121.1	1.6921	100
Russell		All mfg.	3	1	18.5	.0011	66
Scott	126	All mfg.	6	4	62.2	.0036	83
Shenandoah		All mfg.	25	8	193.4	.0112	75
Smyth		All mfg.	23	18	285.2	.0165	96
2321		Men's & boys' shirts & nightwear	3	3	50.5	1.3701	100
Southampton		All mfg.	22	8	378.2	.0219	87
2492		Particleboard	1	1	28.9	5.6160	100
2621		Paper mills, except building paper	1	1	164.4	.8844	100
Spotsylvania		All mfg.	24	6	122.8	.0071	64
Stafford		All mfg.	2		3.3	.0002	0
Suffolk Ind. City	195	All mfg.	32	4	252.7	.0146	56
2065		Confectionery products	3	2	119.0	2.1186	94
Surry		All mfg.	2		30.1	.0017	0
Sussex		All mfg.	7	3	34.5	.0020	57
Tazewell		All mfg.	39	11	241.9	.0140	68
Warren		All mfg.	7	3	195.7	.0113	95
2823		Cellulosic man-made fibers	1	1	147.5	11.0487	100
Washington	126	All mfg.	49	26	558.6	.0323	88
Westmoreland		All mfg.	8	2	53.5	.0031	61
Wise		All mfg.	10	3	210.7	.0122	81
3312		Blast furnaces & steel mills	2	1	155.1	.3067	93
Wythe		All mfg.	15	8	86.2	.0050	86
York	193	All mfg.	7	5	616.0	.0357	99
State Total		All mfg.	1,925	726	28,678.6	1.6598	86

WASHINGTON

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Adams		All mfg.	2	1	54.7	.0032	96
Asotin		All mfg.	2		10.0	.0006	0
Benton	229	All mfg.	19	6	173.5	.0100	73
Chelan		All mfg.	26	10	371.9	.0215	83
3334		Primary aluminum	2	1	190.8	2.9050	95
Clallam		All mfg.	23	5	313.3	.0181	66
Clark	218	All mfg.	54	17	1,224.8	.0709	88
2621		Paper mills, except building paper	2	2	542.6	2.9190	100

1980 (S&MM Est.)

WASHINGTON (Clark, cont.)

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
3334		Primary aluminum	1	1	317.9	4.8402	100
Columbia		**All mfg.**	**1**	**1**	**7.6**	**.0004**	**100**
Cowlitz		**All mfg.**	**38**	**13**	**1,052.9**	**.0609**	**88**
2421		General sawmills & planing mills	3	1	221.3	1.7756	94
2631		Paperboard mills	1	1	167.3	1.5955	100
3334		Primary aluminum	1	1	181.7	2.7665	100
Douglas		**All mfg.**	**1**	**1**	**25.0**	**.0014**	**100**
Ferry		**All mfg.**	**2**		**14.7**	**.0009**	**0**
Franklin	**229**	**All mfg.**	**12**	**5**	**142.7**	**.0083**	**79**
2037		Frozen fruits & vegetables	2	2	77.0	1.8277	100
Grant		**All mfg.**	**15**	**4**	**175.5**	**.0102**	**82**
Grays Harbor		**All mfg.**	**50**	**19**	**1,623.8**	**.0940**	**94**
2411		Logging camps & contractors	5	3	980.8	13.2812	98
2611		Pulp mills	2	2	247.3	8.1002	100
Island		**All mfg.**	**5**	**2**	**46.8**	**.0027**	**76**
Jefferson		**All mfg.**	**6**	**2**	**96.6**	**.0056**	**80**
King	**255**	**All mfg.**	**719**	**153**	**9,269.8**	**.5365**	**81**
2026		Fluid milk	7	5	268.0	1.5930	93
2051		Bread, cake, & related products	13	9	158.3	1.4110	93
2086		Bottled & canned soft drinks	6	3	103.6	.7996	85
2091		Canned & cured seafoods	10	5	170.6	10.5075	87
2329		Men's & boys' clothing n.e.c.	7	5	28.8	2.1477	91
2711		Newspapers	10	3	109.2	.6789	88
2751		Letterpress commercial printing	22	3	42.5	.7776	42
3273		Ready-mixed concrete	12	4	141.9	1.5210	75
3312		Blast furnaces & steel mills	2	2	233.9	.4626	100
3441		Fabricated structural metal	11	3	59.0	.9574	71
3559		Special-industry machinery n.e.c.	7	1	369.5	5.8384	96
3599		Machinery, except electrical, n.e.c.	28	2	88.5	.8048	28
3662		Radio & TV communication equipment	10	5	645.5	2.7456	98
3713		Truck & bus bodies	4	1	57.5	1.9143	90
3721		Aircraft	3	2	1,714.4	7.5089	100
3728		Aircraft equipment n.e.c.	16	2	90.2	1.2281	54
3731		Ship building & repairing	9	5	297.1	3.6326	96
3732		Boat building & repairing	7	2	75.6	3.3816	89
3743		Railroad equipment	1	1	159.8	2.7330	100
3761		Guided missiles & space vehicles	1	1	1,334.1	19.7770	100
Kitsap	**41**	**All mfg.**	**13**	**3**	**57.7**	**.0033**	**46**
Kittitas		**All mfg.**	**11**	**4**	**115.1**	**.0067**	**67**
Klickitat		**All mfg.**	**7**	**4**	**207.7**	**.0120**	**92**
Lewis		**All mfg.**	**43**	**17**	**559.0**	**.0324**	**76**
Lincoln		**All mfg.**	**1**	**1**	**10.5**	**.0006**	**100**
Mason		**All mfg.**	**10**	**3**	**127.8**	**.0074**	**71**
2661		Building-paper & building-board mills	1	1	77.6	12.8328	100
Okanogan		**All mfg.**	**13**	**2**	**171.7**	**.0099**	**48**
2421		General sawmills & planing mills	4	2	90.2	.7237	91
Pacific		**All mfg.**	**11**	**2**	**105.9**	**.0061**	**29**
Pend Oreille		**All mfg.**	**5**	**1**	**53.5**	**.0031**	**65**
Pierce	**270**	**All mfg.**	**169**	**44**	**1,770.1**	**.1024**	**69**
2421		General sawmills & planing mills	7	3	150.5	1.2075	91
Skagit		**All mfg.**	**31**	**12**	**1,714.8**	**.0992**	**96**
Skamania		**All mfg.**	**4**	**3**	**55.5**	**.0032**	**84**
Snohomish	**255**	**All mfg.**	**122**	**28**	**2,035.1**	**.1178**	**85**
2037		Frozen fruits & vegetables	5	2	101.6	2.4116	95
2421		General sawmills & planing mills	11	4	166.2	1.3335	85
2431		Millwork	5	1	53.6	1.2381	82
2647		Sanitary paper products	1	1	222.0	3.6350	100
3662		Radio & TV communication equipment	2	2	87.8	.3735	100
3721		Aircraft	1	1	747.7	3.2749	100
3825		Electricity-measuring instruments	1	1	90.7	2.3293	100
Spokane	**262**	**All mfg.**	**151**	**34**	**1,914.0**	**.1108**	**78**
3334		Primary aluminum	1	1	272.4	4.1474	100
3353		Aluminum sheet, plate, & foil	1	1	613.2	7.2770	100
Stevens		**All mfg.**	**17**	**3**	**163.8**	**.0095**	**59**
Thurston	**199**	**All mfg.**	**25**	**10**	**230.1**	**.0133**	**78**
Wahkiakum		**All mfg.**	**1**	**1**	**91.0**	**.0053**	**100**
Walla Walla		**All mfg.**	**20**	**6**	**219.2**	**.0127**	**82**
Whatcom		**All mfg.**	**49**	**19**	**1,686.0**	**.0976**	**91**
2611		Pulp mills	1	1	141.3	4.6282	100
3334		Primary aluminum	2	2	236.2	3.5963	100
Whitman		**All mfg.**	**2**		**10.0**	**.0006**	**0**
Yakima	**298**	**All mfg.**	**91**	**19**	**630.6**	**.0365**	**58**
2033		Canned fruits & vegetables	11	5	167.0	2.1581	91
State Total		**All mfg.**	**1,771**	**455**	**26,532.7**	**1.5356**	**82**

WEST VIRGINIA

County SIC	Metro Area	Industry	Number Of Plants		Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
			Total Plants	Large Plants			
Barbour		**All mfg.**	**6**		**17.8**	**.0010**	**0**
Berkeley		**All mfg.**	**26**	**12**	**344.6**	**.0199**	**87**
3714		Motor-vehicle parts & accessories	2	2	84.6	.2683	100
Boone		**All mfg.**	**1**		**2.0**	**.0001**	**0**
Braxton		**All mfg.**	**4**	**1**	**15.2**	**.0009**	**33**
Brooke	**267**	**All mfg.**	**17**	**9**	**342.7**	**.0198**	**90**
Cabell	**115**	**All mfg.**	**66**	**21**	**1,362.5**	**.0789**	**89**
3221		Glass containers	2	2	83.2	2.9676	100
3312		Blast furnaces & steel mills	1	1	152.2	.3010	100
3356		Nonferrous rolling & drawing n.e.c.	1	1	496.7	13.8195	100
3743		Railroad equipment	1	1	86.4	1.4777	100
Calhoun		**All mfg.**	**2**	**1**	**8.2**	**.0005**	**93**
Clay		**All mfg.**	**2**		**3.7**	**.0002**	**0**
Doddridge		**All mfg.**	**1**		**2.2**	**.0001**	**0**
Fayette		**All mfg.**	**9**	**2**	**147.2**	**.0085**	**90**
3313		Electrometallurgical products	1	1	113.4	10.0854	100
Gilmer		**All mfg.**	**2**	**1**	**19.7**	**.0011**	**77**
Grant		**All mfg.**	**7**	**2**	**31.3**	**.0018**	**42**
Greenbrier		**All mfg.**	**18**	**5**	**103.4**	**.0060**	**56**
Hampshire		**All mfg.**	**3**	**1**	**10.8**	**.0006**	**49**
Hancock	**267**	**All mfg.**	**28**	**14**	**2,474.0**	**.1432**	**98**
3262		Vitreous china food utensils	1	1	56.7	21.9003	100
3312		Blast furnaces & steel mills	1	1	1,842.7	3.6443	100
Hardy		**All mfg.**	**4**	**2**	**35.2**	**.0020**	**92**
Harrison		**All mfg.**	**34**	**14**	**327.2**	**.0189**	**74**
3229		Pressed & blown glass n.e.c.	3	3	31.5	1.9418	100
Jackson		**All mfg.**	**3**	**1**	**908.2**	**.0526**	**100**
3353		Aluminum sheet, plate, & foil	1	1	905.1	10.7411	100
Jefferson		**All mfg.**	**9**	**4**	**107.4**	**.0062**	**88**
Kanawha	**52**	**All mfg.**	**91**	**25**	**3,100.6**	**.1794**	**92**
2812		Alkalies & chlorine	1	1	100.8	4.7904	100
2824		Noncellulosic synthetic organic fibers	1	1	211.1	2.4841	100
2869		Industrial organic chemicals n.e.c.	6	4	1,624.5	5.3866	98
Lewis		**All mfg.**	**9**	**5**	**53.8**	**.0031**	**86**
Lincoln		**All mfg.**	**1**	**1**	**6.1**	**.0004**	**100**
Logan		**All mfg.**	**14**	**2**	**51.7**	**.0030**	**35**
McDowell		**All mfg.**	**1**		**1.5**	**.0001**	**0**
Marion		**All mfg.**	**37**	**9**	**357.7**	**.0207**	**83**
3641		Electric lamps	1	1	102.8	5.0635	100
Marshall	**291**	**All mfg.**	**17**	**7**	**356.0**	**.0206**	**86**
3944		Games, toys, & children's vehicles	1	1	64.7	2.0017	100
Mason		**All mfg.**	**9**	**4**	**196.1**	**.0113**	**90**
Mercer		**All mfg.**	**26**	**8**	**145.3**	**.0084**	**63**
Mineral		**All mfg.**	**10**	**4**	**113.2**	**.0066**	**81**
Mingo		**All mfg.**	**10**		**30.7**	**.0018**	**0**
Monongalia		**All mfg.**	**29**	**11**	**213.6**	**.0124**	**74**
Monroe		**All mfg.**	**1**	**1**	**12.5**	**.0007**	**100**
Morgan		**All mfg.**	**6**	**2**	**49.0**	**.0028**	**78**
Nicholas		**All mfg.**	**16**	**4**	**78.9**	**.0046**	**52**
Ohio	**291**	**All mfg.**	**37**	**14**	**349.1**	**.0202**	**75**
3547		Rolling-mill machinery	2	2	85.7	20.4877	100
Pendelton		**All mfg.**	**4**	**1**	**24.4**	**.0014**	**71**
Pleasants		**All mfg.**	**2**	**2**	**496.1**	**.0287**	**100**
Pocahontas		**All mfg.**	**4**	**1**	**21.3**	**.0012**	**60**

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants: Total Plants	Number Of Plants: Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
Preston		All mfg.	10	3	67.3	.0039	35
Putnam	52	All mfg.	8	2	33.8	.0020	68
Raleigh		All mfg.	29	5	112.2	.0065	45
Randolph		All mfg.	21	5	84.2	.0049	41
Ritchie		All mfg.	11	4	55.2	.0032	50
Roane		All mfg.	8	3	82.3	.0048	86
Summers		All mfg.	3	1	10.2	.0006	45
Taylor		All mfg.	6	4	41.7	.0024	91
Tucker		All mfg.	7	3	81.2	.0047	83
Tyler		All mfg.	2	1	164.6	.0095	98
Upshur		All mfg.	7	3	65.7	.0038	82
Wayne	115	All mfg.	15	4	169.1	.0098	74
Webster		All mfg.	4		10.2	.0006	0
Wetzel		All mfg.	12	5	243.0	.0141	91
Wirt	205	All mfg.	1		.9	.0001	0
Wood	205	All mfg.	52	20	1,032.7	.0598	87
2821		Plastics materials & synthetic resins	2	2	506.2	3.6912	100
3229		Pressed & blown glass n.e.c.	3	3	31.5	1.9418	100
3423		Hand & edge tools n.e.c.	1	1	85.1	3.1222	100
Wyoming		All mfg.	5		10.9	.0006	0
State Total		All mfg.	767	254	14,186.1	.8210	88
WISCONSIN							
Adams		All mfg.	4	1	19.8	.0011	70
Ashland		All mfg.	10	4	72.2	.0042	68
Barron		All mfg.	35	11	288.5	.0167	65
Bayfield		All mfg.	1	1	9.3	.0005	100
Brown	105	All mfg.	115	34	2,416.8	.1399	87
2621		Paper mills, except building paper	4	4	395.4	2.1271	100
2647		Sanitary paper products	8	5	897.8	14.7004	96
3554		Paper-industries machinery	6	2	106.4	7.7892	87
Buffalo		All mfg.	1		15.8	.0009	0
Burnett		All mfg.	7	1	20.3	.0012	19
Calumet	16	All mfg.	23	7	480.7	.0278	77
3519		Internal-combustion engines n.e.c.	1	1	217.0	2.3346	100
Chippewa	78	All mfg.	34	12	217.7	.0126	76
Clark		All mfg.	22	3	129.3	.0075	30
Columbia		All mfg.	45	13	222.3	.0129	56
Crawford		All mfg.	9	3	116.1	.0067	89
Dane	163	All mfg.	160	45	2,650.6	.1534	83
2011		Meat-packing plants	1	1	991.6	2.5558	100
2439		Structural wood members n.e.c.	4	2	44.4	5.0900	92
3692		Dry & wet primary batteries	1	1	69.5	8.5015	100
Dodge		All mfg.	53	16	457.5	.0265	75
3524		Lawn & garden equipment	1	1	75.3	4.4292	100
Door		All mfg.	15	8	275.0	.0159	95
3731		Ship building & repairing	2	2	113.9	1.3926	100
Douglas	77	All mfg.	13	4	358.4	.0207	86
Dunn		All mfg.	10	2	68.0	.0039	64
Eau Claire	78	All mfg.	31	12	719.5	.0416	85
3011		Tires & inner tubes	1	1	209.2	2.0458	100
Florence		All mfg.	1		2.4	.0001	0
Fond du Lac		All mfg.	64	22	873.7	.0506	78
3519		Internal-combustion engines n.e.c.	2	1	199.2	2.1431	96
Forest		All mfg.	2	2	16.3	.0009	100
Grant		All mfg.	11		60.5	.0035	0
Green		All mfg.	23	9	194.9	.0113	46
Green Lake		All mfg.	28	3	123.6	.0072	45
Iowa		All mfg.	7		18.1	.0010	0
Iron		All mfg.	3	1	27.5	.0016	88
Jackson		All mfg.	9	2	94.9	.0055	65
Jefferson		All mfg.	74	23	825.3	.0478	82
3079		Miscellaneous plastics products	8	4	97.2	.3792	93
Juneau		All mfg.	13	5	116.4	.0067	80
Kenosha	133	All mfg.	47	17	2,172.6	.1257	96
3423		Hand & edge tools n.e.c.	1	1	53.2	1.9519	100
3711		Motor vehicles & passenger-car bodies	2	1	1,615.2	2.4025	100
Kewaunee		All mfg.	15	4	128.9	.0075	65
La Crosse	137	All mfg.	49	14	640.9	.0371	85
3585		Refrigeration & heating equipment	1	1	278.1	1.6066	100
Lafayette		All mfg.	4	2	62.1	.0036	68
Langlade		All mfg.	16	5	113.1	.0065	67
Lincoln		All mfg.	27	10	316.0	.0183	84
Manitowoc	165	All mfg.	74	24	971.0	.0562	84
3361		Aluminum foundries	4	4	203.6	5.9584	100
3585		Refrigeration & heating equipment	2	2	173.8	1.0040	100
3842		Surgical appliances & supplies	1	1	107.1	2.8493	100
Marathon	289	All mfg.	69	29	1,218.9	.0705	86
2022		Natural & processed cheese	5	2	359.4	3.9924	82
2435		Hardwood veneer & plywood	2	1	45.7	3.1074	97
2621		Paper mills, except building paper	3	3	224.0	1.2050	100
3531		Construction machinery	2	2	115.5	.7109	100
3621		Motors & generators	1	1	50.5	.8511	100
Marinette		All mfg.	30	13	618.6	.0358	92
2621		Paper mills, except building paper	2	2	132.9	.7150	100
Marquette		All mfg.	4	1	26.8	.0016	36
Menominee		All mfg.	1	1	32.0	.0019	100
Milwaukee	174	All mfg.	862	277	11,971.7	.6929	85
2051		Bread, cake, & related products	7	6	102.3	.9119	97
2082		Malt beverages	3	3	1,294.9	14.9854	100
2086		Bottled & canned soft drinks	5	4	101.6	.7842	94
2531		Public-building & related furniture	7	3	40.3	4.5754	88
2641		Paper coating & glazing	3	1	106.8	2.5067	89
2653		Corrugated & solid fiber boxes	10	6	100.2	1.1901	86
2711		Newspapers	3	2	58.0	.3606	97
2751		Letterpress commercial printing	14	2	34.2	.6257	61
2752		Lithographic commercial printing	19	6	169.1	1.4364	70
3079		Miscellaneous plastics products	28	8	206.4	.8052	68
3111		Leather tanning & finishing	16	8	169.0	9.1110	84
3143		Men's nonathletic footwear	1	1	39.6	1.8141	100
3317		Steel pipe & tubes	1	1	63.4	1.9810	100
3321		Gray-iron foundries	10	7	120.0	1.4719	95
3325		Steel foundries n.e.c.	11	9	183.3	4.7469	96
3411		Metal cans	5	5	355.6	4.1776	100
3429		Hardware n.e.c.	3	1	100.7	1.5995	92
3443		Fabricated plate work (boiler shops)	15	8	214.5	2.4259	92
3444		Sheet-metal work	12	2	59.7	1.0355	62
3448		Prefabricated metal buildings	2	2	73.0	3.3229	100
3462		Iron & steel forgings	4	3	345.8	9.9485	100
3469		Metal stampings n.e.c.	14	4	65.0	1.1543	62
3519		Internal-combustion engines n.e.c.	5	4	989.4	10.6443	100
3531		Construction machinery	16	9	547.6	3.3703	92
3532		Mining machinery	3	2	138.3	4.9993	97
3533		Oil-field machinery	2	1	220.8	4.5546	99
3536		Hoists, industrial cranes, & monorails	10	4	113.1	10.3099	90
3541		Metal-cutting machine tools	8	2	56.2	2.3802	84
3544		Special dies, tools, jigs, & fixtures	23	3	35.0	1.1339	46
3551		Food-products machinery	4	3	67.4	2.1649	95
3566		Speed changers, drives, & gears	2	2	117.3	11.5203	100
3569		General industrial machinery n.e.c.	12	4	45.0	2.0644	75
3599		Machinery, except electrical, n.e.c.	26	6	151.1	1.3740	63
3612		Transformers	5	3	50.5	1.6942	94
3613		Switchgear & switchboard apparatus	9	3	68.2	1.4641	83
3621		Motors & generators	7	3	81.3	1.3702	89
3622		Industrial controls	12	8	428.0	13.4617	98
3662		Radio & TV communication equipment	5	1	105.5	.4487	82
3693		X-ray apparatus & tubes	2	2	412.7	18.6194	100
3713		Truck & bus bodies	3	1	66.1	2.2006	97
3714		Motor-vehicle parts & accessories	5	2	270.5	.8579	96
3751		Motorcycles, bicycles, & parts	1	1	161.5	13.4192	100
3822		Environmental controls	4	4	77.0	4.2298	100
3993		Signs & advertising displays	13	4	43.6	2.2341	65
Monroe		All mfg.	13	4	75.6	.0044	59
Oconto		All mfg.	24	7	225.7	.0131	75
Oneida		All mfg.	10	4	171.8	.0099	87
Outagamie	16	All mfg.	83	34	1,745.3	.1010	91
2259		Knitting mills n.e.c.	1	1	36.3	33.0601	100
2621		Paper mills, except building paper	5	5	626.7	3.3714	100
2641		Paper coating & glazing	1	1	171.8	4.0324	100
3623		Electric welding apparatus	1	1	88.5	5.6105	100
Ozaukee	174	All mfg.	83	30	698.0	.0404	76
3519		Internal-combustion engines n.e.c.	2	2	137.6	1.4803	100

1980 (S&MM Est.)

County SIC	Metro Area	Industry	Number Of Plants Total Plants	 Large Plants	Total Shipments ($Mil.)	% Of U.S. Shipments	% In Large Plants
WISCONSIN (Ozaukee, cont.)							
3524		Lawn & garden equipment	2	2	73.8	4.3409	100
3621		Motors & generators	3	3	80.8	1.3617	100
Pepin		**All mfg.**	**4**	**1**	**25.6**	**.0015**	**30**
Pierce		**All mfg.**	**8**	**4**	**76.7**	**.0044**	**71**
Polk		**All mfg.**	**18**	**7**	**145.0**	**.0084**	**53**
Portage		**All mfg.**	**25**	**10**	**284.6**	**.0165**	**81**
Price		**All mfg.**	**11**	**4**	**119.0**	**.0069**	**82**
Racine	**224**	**All mfg.**	**168**	**56**	**1,798.3**	**.1041**	**84**
2731		Book publishing	1	1	112.5	1.8441	100
2842		Polishes & sanitation goods	1	1	225.4	5.1331	100
3523		Farm machinery & equipment	5	3	219.8	1.9907	97
3531		Construction machinery	5	3	190.6	1.1731	97
3561		Pumps & pumping equipment	4	2	64.7	1.9213	96
3568		Power-transmission equipment n.e.c.	1	1	41.3	3.0839	100
3621		Motors & generators	9	5	73.5	1.2387	92
Richland		**All mfg.**	**12**	**4**	**71.1**	**.0041**	**64**
Rock	**124**	**All mfg.**	**68**	**23**	**1,429.8**	**.0828**	**88**
3143		Men's nonathletic footwear	1	1	39.6	1.8141	100
3519		Internal-combustion engines n.e.c.	1	1	217.0	2.3346	100
3554		Paper-industries machinery	1	1	162.5	11.8960	100
3711		Motor vehicles & passenger-car bodies	1	1	462.1	.6874	100
3951		Pens & mechanical pencils	1	1	75.2	10.3453	100
Rusk		**All mfg.**	**10**	**3**	**64.7**	**.0037**	**65**
St. Croix	**175**	**All mfg.**	**22**	**4**	**156.0**	**.0090**	**67**
Sauk		**All mfg.**	**31**	**10**	**385.1**	**.0223**	**79**
3482		Small-arms ammunition	1	1	60.5	11.6190	100
Sawyer		**All mfg.**	**3**		**18.0**	**.0010**	**0**
Shawano		**All mfg.**	**16**	**6**	**192.7**	**.0112**	**74**
Sheboygan	**256**	**All mfg.**	**111**	**40**	**1,418.2**	**.0821**	**82**
2022		Natural & processed cheese	4	3	408.6	4.5389	99
3431		Metal sanitary ware	1	1	109.8	19.7021	100
3519		Internal-combustion engines n.e.c.	1	1	132.5	1.4255	100
Taylor		**All mfg.**	**10**	**7**	**133.9**	**.0077**	**96**
Trempealeau		**All mfg.**	**15**	**3**	**140.7**	**.0081**	**84**
Vernon		**All mfg.**	**6**		**18.7**	**.0011**	**0**
Vilas		**All mfg.**	**6**	**1**	**21.9**	**.0013**	**49**
Walworth		**All mfg.**	**70**	**18**	**422.3**	**.0244**	**66**
Washburn		**All mfg.**	**3**		**4.7**	**.0003**	**0**
Washington	**174**	**All mfg.**	**70**	**20**	**823.2**	**.0476**	**81**
3519		Internal-combustion engines n.e.c.	1	1	127.7	1.3738	100
3523		Farm machinery & equipment	4	2	97.0	.8785	96
3634		Electric housewares & fans	2	2	185.2	5.6367	100
Waukesha	**174**	**All mfg.**	**307**	**66**	**2,187.3**	**.1266**	**71**
2752		Lithographic commercial printing	9	3	124.0	1.0533	78
3519		Internal-combustion engines n.e.c.	2	1	219.5	2.3615	99
3531		Construction machinery	3	2	222.8	1.3713	97
3551		Food-products machinery	7	3	103.1	3.3116	92
3612		Transformers	3	2	66.3	2.2242	97
Waupaca		**All mfg.**	**46**	**15**	**650.1**	**.0376**	**77**
2013		Sausages & other prepared meats	1	1	159.7	1.4809	100
Waushara		**All mfg.**	**7**	**1**	**27.7**	**.0016**	**32**
Winnebago	**16**	**All mfg.**	**131**	**41**	**1,757.3**	**.1017**	**83**
2431		Millwork	5	3	54.3	1.2543	94
2621		Paper mills, except building paper	8	6	510.8	2.7479	97
2653		Corrugated & solid fiber boxes	4	2	94.8	1.1260	90
2732		Book printing	1	1	82.7	3.9545	100
3321		Gray-iron foundries	2	2	108.0	1.3247	100
3713		Truck & bus bodies	2	2	45.9	1.5281	100
3714		Motor-vehicle parts & accessories	2	1	80.6	.2556	97
Wood		**All mfg.**	**48**	**20**	**1,012.3**	**.0586**	**84**
2621		Paper mills, except building paper	3	3	461.1	2.4805	100
State Total		**All mfg.**	**3,460**	**1,084**	**45,465.3**	**2.6313**	**83**
WYOMING							
Albany		**All mfg.**	**12**	**1**	**45.3**	**.0026**	**31**
Big Horn		**All mfg.**	**6**	**1**	**44.5**	**.0026**	**30**
Campbell		**All mfg.**	**3**		**9.3**	**.0005**	**0**
Carbon		**All mfg.**	**3**	**1**	**297.4**	**.0172**	**97**
Converse		**All mfg.**	**2**		**9.4**	**.0005**	**0**
Crook		**All mfg.**	**2**		**4.6**	**.0003**	**0**
Fremont		**All mfg.**	**14**	**2**	**97.8**	**.0057**	**27**
Goshen		**All mfg.**	**3**	**1**	**48.4**	**.0028**	**75**
Hot Springs		**All mfg.**	**1**		**3.7**	**.0002**	**0**
Johnson		**All mfg.**	**2**		**7.3**	**.0004**	**0**
Laramie	**55**	**All mfg.**	**24**	**7**	**422.8**	**.0245**	**85**
Lincoln		**All mfg.**	**7**	**1**	**75.6**	**.0044**	**41**
Natrona		**All mfg.**	**36**	**8**	**1,474.6**	**.0853**	**68**
Niobrara		**All mfg.**	**1**		**2.6**	**.0002**	**0**
Park		**All mfg.**	**7**	**1**	**231.5**	**.0134**	**86**
Platte		**All mfg.**	**2**		**5.2**	**.0003**	**0**
Sheridan		**All mfg.**	**11**	**1**	**57.5**	**.0033**	**30**
Sweetwater		**All mfg.**	**6**	**3**	**110.6**	**.0064**	**91**
Teton		**All mfg.**	**6**		**13.1**	**.0008**	**0**
Uinta		**All mfg.**	**4**		**10.2**	**.0006**	**0**
Washakie		**All mfg.**	**6**	**2**	**77.1**	**.0045**	**72**
Weston		**All mfg.**	**5**		**99.4**	**.0058**	**0**
State Total		**All mfg.**	**163**	**29**	**3,147.9**	**.1822**	**68**
NATIONAL TOTAL		**ALL MFG.**	**139,005**	**42,490**	**1,727,838.7**	**100.0000**	**82**

DEFINITIONS—**SIC Industry:** Classification by plant's primary product. **N.e.c.:** Not elsewhere classified. **Metro Area Code:** Metro market that county belongs to; see list, page 35. **Total Plants:** 20+ employees. **Large Plants:** 100+ employees. **All mfg.:** Totals for all plants with 20+ employees in the county. **Shipments:** Dollar value of all goods produced. **% Of U.S.:** Boldface refers to county's share of total U.S. shipments; lightface to the SIC industry in the county and its share of the industry's total shipments. **% In Large Plants:** Share of shipments (rounded) from plants with 100+ employees; if the share is 99.5% or more, it shows as 100%.